



TELEPHONE NUMBER:
3617 CENTRAL (3 lines).

**Established in
ENGLAND, 1859.]**

Registered as a Newspaper.

Published Weekly at 42 CANNON STREET,
LONDON, E.C.

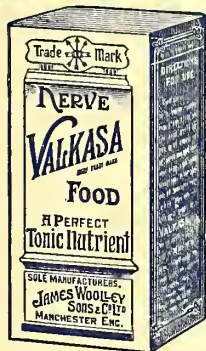
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**Established in
[AUSTRALASIA, 1885.]**

No. 1,919. Vol. LXXXVIII.

NOVEMBER 4, 1916.

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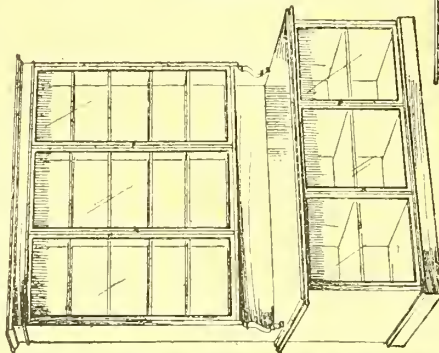
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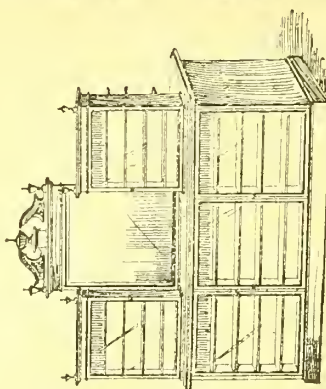
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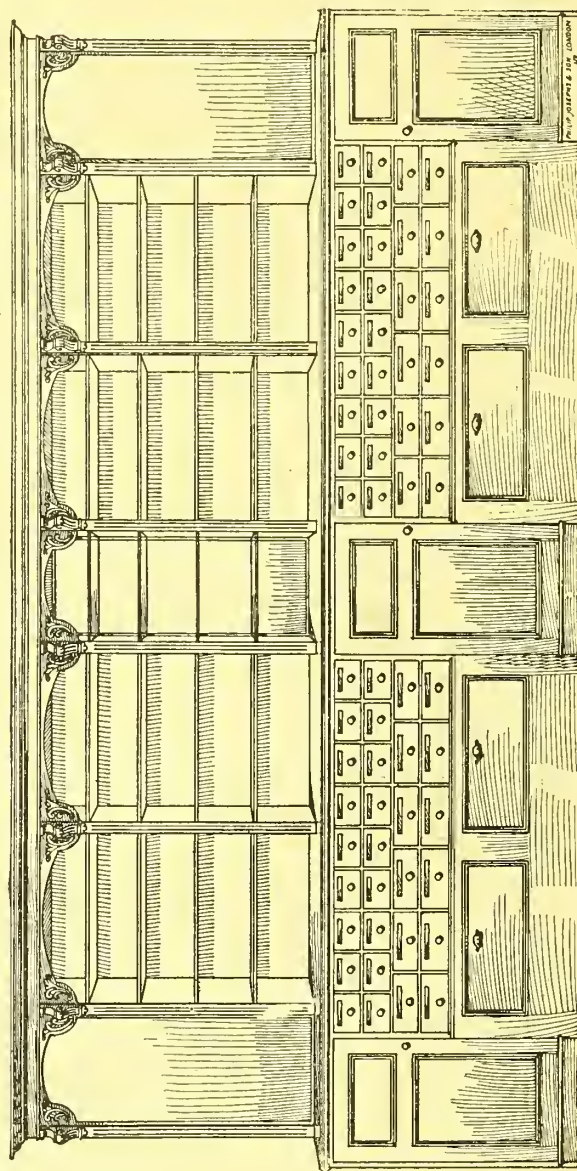
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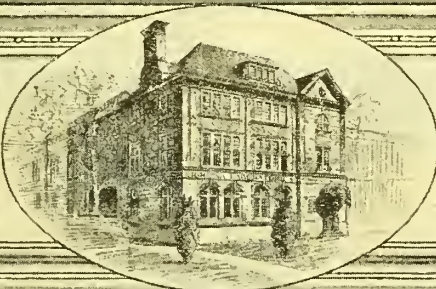
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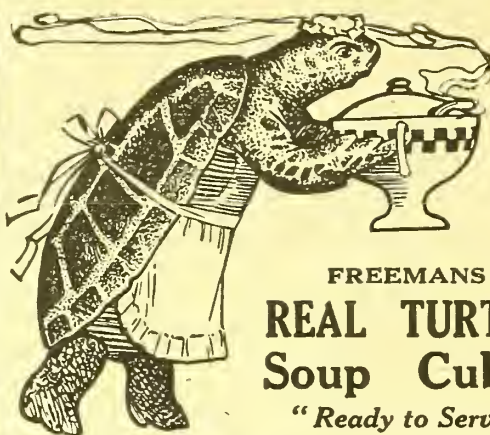
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To retail in 1/- Cartons
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Capacity equal to ordinary 10 x 12.
5/- each. Extra 5% on one dozen.
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RUBBER SHEETINGS.

Will not discolour, harden, or crack.
Can be sterilized in boiling water.
From 2/3 to 6/8 yard.
Sample cards free.

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Black Rubber, fitted with black vulcanite curved pipe, put up in plain box with lettering on inside for display purposes.
Price 4/2 each.

S. MAW, SON & SONS.

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"Women," wrote Saville, "have more strength in their looks than we have in our laws."

Ever since advertising became a potent force in business, feminine charms have played a large part in the pictorial side of publicity.

Turn the pages of a magazine, or examine the nearest hoarding displaying posters, and you will find that the grace of womanhood has been successfully introduced in the majority of announcements.

Delectando pariterque monendo.

By imparting at once pleasure and instruction the eyes of the public are continually focussed on the fruits of commercial enterprise.

It was with this knowledge of the appreciation of art in advertising that we decided to produce something very charming in the way of showcards.

Once the basis idea was settled, the next thing was to obtain the type of facial perfection suitable to our requirements.

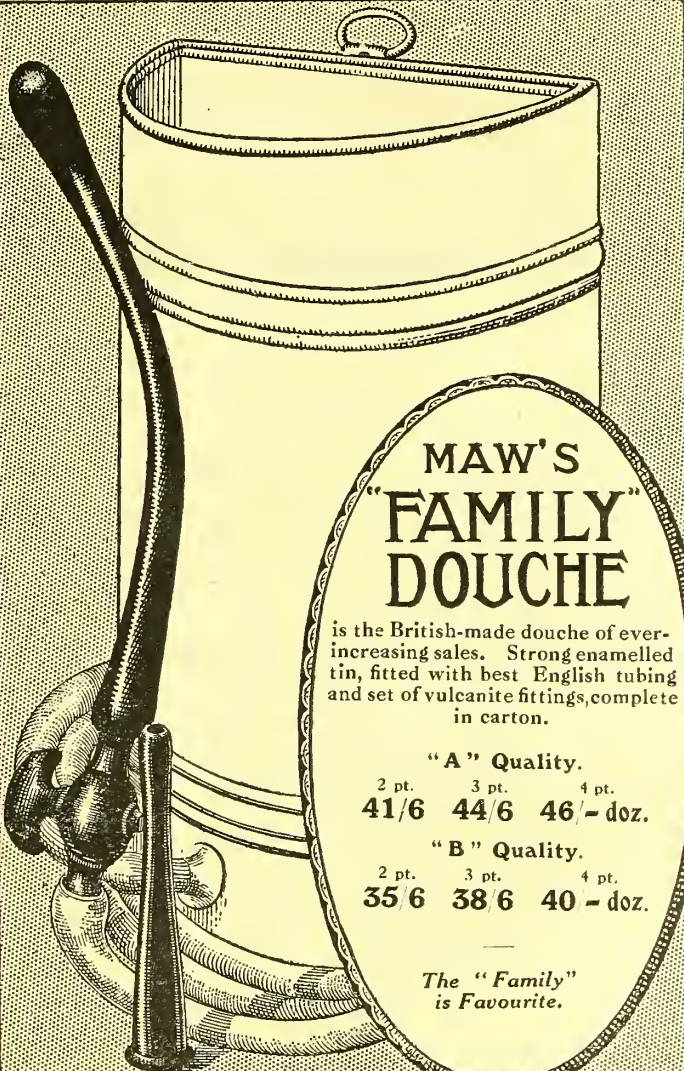
Our task commenced with the review of upwards of two hundred portraits. We selected twelve, and finally sifted these down to a couple. The next arbiter was the camera, which produced half a dozen photographs of the two models.

From these six studies one was finally selected.

We were not content to have a pretty picture; we were determined to reproduce it by that most artistic of modern processes: photogravure. A beautiful sepia study is the result. We believe that a high-class article is worthy of high-class publicity.

When, therefore, we decided to put the "Pliant" Hand Brush before the trade and public, we issued a design in keeping with the undoubted quality of the new toilet appliance.

This is the reason why the showcard depicting the charming lady in *deshabille*, demonstrating the advantages of the hand brush, was planned and produced with every care and adoption of the latest developments in printing.

Capsule


**MAW'S
"FAMILY"
DOUCHE**

is the British-made douche of ever-increasing sales. Strong enamelled tin, fitted with best English tubing and set of vulcanite fittings, complete in carton.

"A" Quality.		
2 pt.	3 pt.	4 pt.
41/6	44/6	46/- doz.
"B" Quality.		
2 pt.	3 pt.	4 pt.
35/6	38/6	40/- doz.

The "Family" is Favourite.

Maw's

S. MAW, SON & SONS.
(GPO BOX NO 54)
7-12, ALDERSGATE ST.
LONDON, E.C.

**Page**

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NOV. 4, 1916

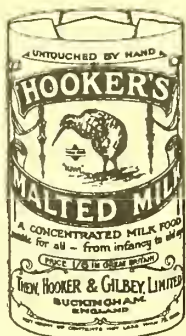
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"A complete food." — *Lancet*.

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There is no Higher Quality or Better Value

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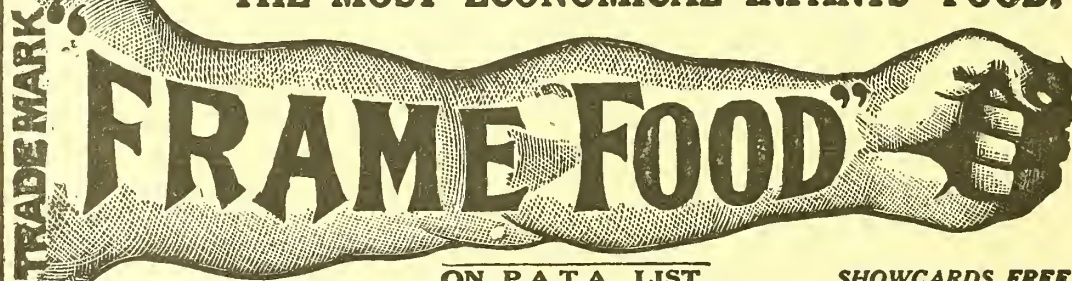
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ON P.A.T.A. LIST.

SHOWCARDS FREE.

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(with 15% by weight
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| 3. MALTOLACTON | 6. Liquid DIAMALT
(with 33% by weight
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SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL
ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL
THE ALLIES' HOSPITAL (Hopital de l'Alliance), YVETOT, FRANCE
THE BRITISH RED CROSS SOCIETY'S HOSPITALS, etc.

*Unsurpassable reputation for
 genuineness. Never claims to
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*Over a quarter of a century
 of uninterrupted success as
 a specialised preparation.*

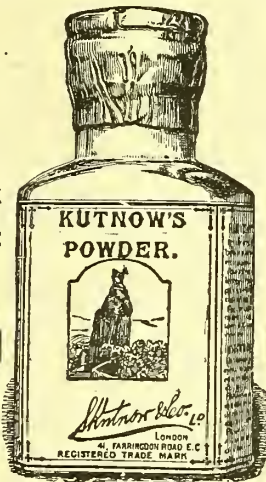
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For Liver, Kidneys & Bowels.

**THE FAMOUS BRITISH REMEDY
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It is on the P.A.T.A.
 It is well advertised
 It is very popular
 It is a good article
 It is never dead stock
 It yields a good profit
 It satisfies everybody



The Doctors prescribe it
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 The Public appreciate it
 The Customer comes again
 The demand is constant
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41 Farringdon Road, London, E.C.

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Showcards and Bills

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To S. KUTNOW & CO., Ltd.,

41 Farringdon Road, London, E.C.

Please send me Showcards and Counter Bills, carriage paid.

NAME.....

ADDRESS

"Chemist & Druggist," Nov. 4, 1916.

Fill in, cut out, and post in open envelope, affix 3d. stamp.

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— Manufacturing Chemists —

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* " " " " " "	1/2		10/-
* " " " " " "	bottles in cartons } 1/6		12/-

***Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.**

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A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

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P.A.T.A. 3½d., 2/1 doz.; 6 doz., 1/10; 1 gross, 20/6.

A1 VIOLET COLD CREAM
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COLD CREAM (in Tubes)
Quality 1. 3/-, 3/6 and 6/6 doz. In Bulk, 1/2 lb. Best Quality.
" 2. 2/9, 3/3 and 4/9 ,, " " 9d. lb. "M" " " "

TOILET LANOLINE (in Tubes)
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This is a splendid selling line, having received the Certificate of Merit from the Institute of Hygiene.

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Each in carton, 3/- doz.; 6 doz. 2/9; 1 gross 30/-
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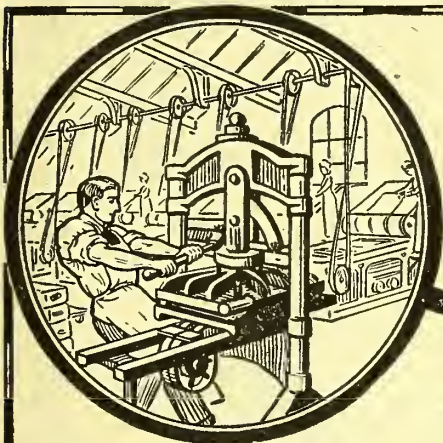
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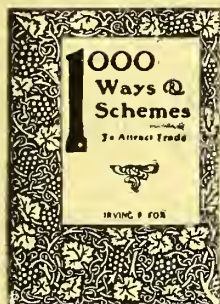
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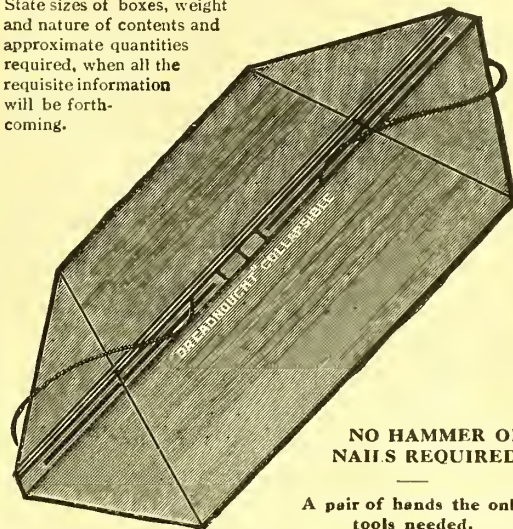
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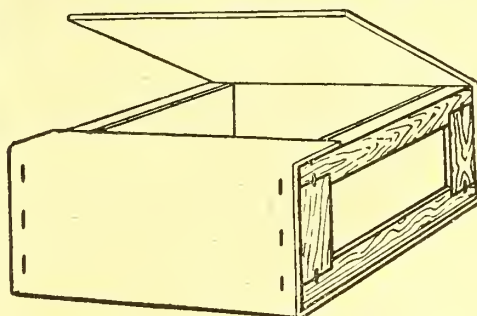


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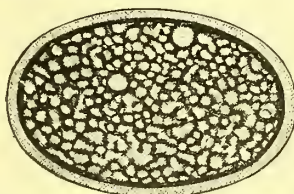


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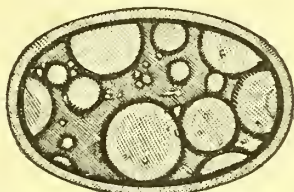
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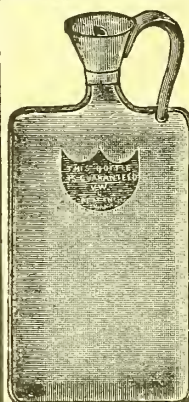
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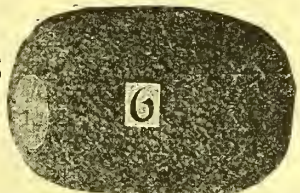
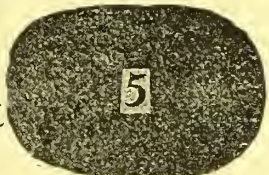
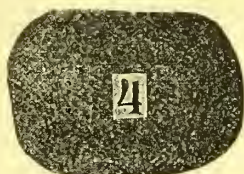
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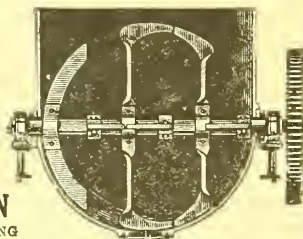
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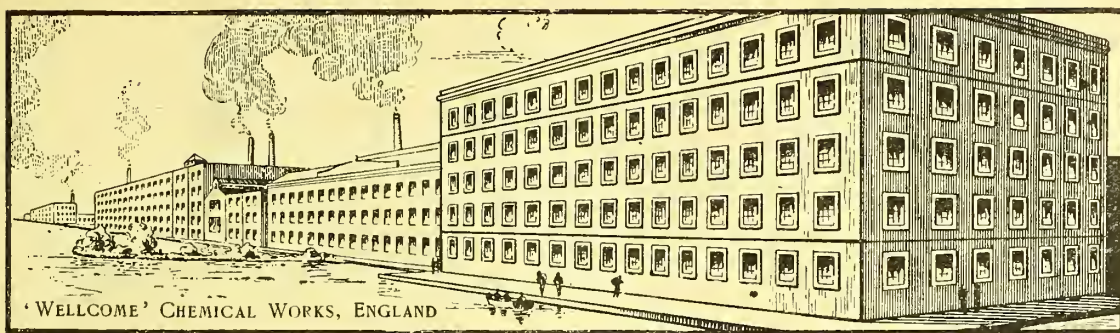
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Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coming Events.

Sunday, November 5.

Pharmacists' Volunteer Training Corps, Brockwell Park, London, S.E., at 10 A.M. Inspection of Exhibit by Leicester Pharmacists' Sanitary Section.

Tuesday, November 7.

Röntgen Society, Institution of Electrical Engineers, Victoria Embankment, London, W.C., at 8.15 P.M. Annual meeting and presidential address.

Wednesday, November 8.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Mr. F. W. Bates, J.P., on "The Ideal Pharmacist and his Pharmacy."

Manchester Pharmaceutical Association, Chess Club Rooms, 65 Market Street, at 3 P.M. Mr. R. Cecil Owen, B.Sc., Chester, on "Pharmacy and the Future."

Newcastle-on-Tyne Pharmacists' Association, Church Institute, Hood Street, at 6.30 P.M. Ordinary meeting.

THE RHODESIAN MAIL, which conveyed copies of THE CHEMIST AND DRUGGIST, August 19, was damaged by fire. Mr. G. T. Branch, F.C.S., Salisbury, sends us a copy of the issue of that date which was delivered to him, the bottom portion of it having been destroyed by fire, although it was still readable.

European War News.

Import and Export Notices.

RUSSIA.—The "Board of Trade Journal" (October 26) contains a detailed list of goods the importation of which it is proposed to prohibit as from November 2. These include spirits, even if denatured; liqueurs, spirituous infusions, ethers used in medicines, fruit essences containing spirit, also spirits used for heating, mixed with soap and in solid form; mineral waters, natural or artificial (except certain medicinal mineral waters); cosmetics and aromatic substances—viz., white toilet-powder, rouge, hair-dyes not containing spirit, scented pastilles for fumigating, cosmetic preparations (not specially mentioned in the Russian Customs tariff), and all kinds of aromatic substances in crystals; all kinds of perfumery and cosmetic preparations containing spirit—e.g., scents, elixirs, etc.; pomades in receptacles weighing less than ten funts; aromatic waters containing alcohol; toilet-soaps in cakes, powder or liquid.

UNITED KINGDOM.—The Foreign Office intimates that no further licences will be issued in the United Kingdom or in the British Possessions overseas for the exportation to Holland of wax, other than paraffin wax, until further notice.

Personalia.

SERGEANT OSBORNE, of West Bromwich, has been awarded the Military Medal.

LIEUTENANT D. J. PEEBLES, R.A.M.C., has just been promoted captain. He is the elder son of the late Thomas S. Peebles, dispensing chemist, Lochee (Dundee).

LIEUTENANT ROLAND E. Sissons, of the West Yorkshire Regiment, who practised as a dentist at Garforth, and was killed in action in June, left estate valued at 8,911.

LIEUTENANT A. J. ESLEY, East Lancs Regiment, is home on leave recuperating after an operation for appendicitis. He is a chemist and druggist, and was in business at Acreington.

MR. C. F. BUTTON, of the laboratory staff of W. H. Hobbs & Co., Ltd., has been appointed second-lieutenant in the Civil Service Rifles (15th Batt. County of London Regiment). He has been at the Front many months.

THE "Gazette" announces that Lieutenant E. H. S. Evans (Lancashire Fusiliers), since killed in action, was gazetted acting-captain while in command of a company on July 19. A notification has been sent to his father, Mr. William P. Evans.

LANCE-CORPORAL T. H. EMLEY, of the Lancs Fusiliers, for over twenty years with J. Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester, is reported missing after an attack on the Somme. It is believed that he is dead, as he was last seen lying in the German second line with shrapnel falling around him.

MR. JOHN BURFIELD HICKMAN, son of Mr. John Hickman, dispenser at the City of Westminster Infirmary, Hendon, was among the successful candidates at the Army Entrance examination held by the Civil Service Commissioners in September. He was fifty-seventh on the list, and so enters the Royal Military Academy, Woolwich.

SECOND-LIEUTENANT ARTHUR SCRAGG, of the Rifle Brigade, brother of Mr. Albert Scragg, pharmacist, Swadlincote, Derbyshire, has been wounded for the second time, and is in hospital at Bristol. He was hit by a bullet in the left leg, and fell into a shell-hole, in which he had to remain all day under heavy fire. At night he crawled into the British lines, taking two hours to cover 125 yards.

CORPORAL D. BENNETT, R.F.C., was, at Doncaster Market Square on Sunday, presented with the Distinguished Conduct Medal by Brigadier-General Fortescue, C.B., for conspicuous bravery and skill on September 13, 1915. The corporal was a chemist's assistant in Jersey and London. A month after he gained his D.C.M. he was shot in the right elbow by a German anti-aircraft gun, and has been in a Leicester hospital for a year.

CAPTAIN C. G. M. HATFIELD, of the Middlesex Regiment, only son of Mr. G. W. Hatfield, dispensing chemist, 817 Commercial Road, London, E., is now in a Cambridge hospital recovering from gas-poisoning which he contracted in France. When the war broke out the captain was on annual training with the Royal Engineers, and has served with the Colours since. On October 16 he had been thirteen months at the Front without home leave.

SRGEON-PROBATIONER ALEXANDER L. STRACHAN, R.N.V.R., who went down with H.M.S. *Glenista* on October 23, was the elder son of the late Alexander Strachan, Ph.C., Aberdeen, and had taken his medical degrees at Aberdeen

B

University. His first and real taste of war was when, on his way to join his ship, he arrived in Dublin in the middle of the rebellion, and had to take charge of a hospital there. His brother, Second-Lieutenant G. H. Strachan, is at present in France with the Gordon Highlanders.

Military Tribunals' Decisions.

ASSTEAD.—An appeal by Mr. B. C. Browell, chemist and druggist, for Mr. G. L. Grinstead, chemist and druggist, at the Surrey Appeal Tribunal was refused.

BAENSTAPLE.—Conditional exemption until April 1 was granted to Mr. F. E. Battershill, chemist and druggist.

BATH.—Three months' exemption was granted to Mr. E. Williams, chemist and druggist, manager for Davies & John, chemists.

BLACKHEATH.—The application by Butcher, Curnow & Co., Ltd., homeopathic chemists, for leave to apply again for the exemption of an assistant was refused.

BOSTON.—E. Bell was granted conditional exemption, and G. Ward was exempted until January 15. Both are in the employ of Grimble & Kent, chemists.

CAMBERWELL. Mr. W. E. Wray, chemist and druggist, with J. W. Rumsey & Son, chemists, Dulwich Village, was granted conditional exemption. Mr. J. C. H. Rumsey, Ph.C., stated that he himself holds a certificate of exemption from the Royal Society, but he was advised to obtain exemption from the Tribunal as well.

CHATHAM.—Exemption until December 31 was granted to W. G. Mason, chemist's assistant.

CHISELHURST.—Two months' exemption has been granted at the West Kent Appeal Court to Mr. W. A. Hudson, chemist and druggist, manager of Prebble & Bone's pharmacy.

COWES.—Exemption until November 1 was granted to R. M. Wilkins, with A. E. Beken & Son.

CRADLEY.—At the Worcestershire Appeal Tribunal the appeal of the Military Representative against the exemption of W. H. Harris, drug-store proprietor, was allowed.

DEAL.—Conditional exemption was granted to P. C. Hadden assistant with the Timothy White Co., Ltd. Mr. E. J. Dobson, chemist and druggist, was also granted conditional exemption.

DOVERCOURT.—The appeal of Mr. R. Woodward, chemist and druggist, for Mr. P. S. Parren, his assistant, was refused, the military authorities being asked not to call him up till the end of November.

EXETER.—Conditional exemption was granted to E. Chapman, assistant with the Timothy White Co., Ltd.

GERRARD'S CROSS.—Conditional exemption was granted to Mr. Charles Rayner, chemist and druggist.

GODALMING.—Three months' exemption was granted to Cyril B. Russell, assistant to Mr. J. H. Mather, Ph.C. The Military Representative is appealing against the decision.

HASTINGS.—The appeal by the Military to the East Sussex Appeal Tribunal against the exemption of H. Salmon, assistant to Mr. A. E. Bolshaw, chemist and druggist, was dismissed.

HATHERLEIGH.—Exemption until January 1 was granted to H. Watts, chemist's assistant.

HEBDEN BRIDGE.—Exemption was granted to Thomas Metcalfe, assistant at Squire & Co.'s branch shop.

HITCHIN.—Three months' exemption was granted to Mr. J. Beddall Smith, Ph.C., with W. Ransom & Son, Ltd.

KINGSTON-ON-THAMES.—Mr. G. Harris, chemist and druggist, appealed for an assistant in Class C3, but the appeal was disallowed, as this class has not yet been called up.

LETCHWORTH.—The appeal by Mr. W. Warren, Ph.C., for exemption of R. I. Dunn was adjourned for medical examination.

LEWES.—The Military Representative applied for the withdrawal of the exemption certificate of A. E. Rodgers, chemist's assistant, on the ground that he had not fulfilled the condition upon which it was granted—viz., joining the Volunteers. After inspecting Mr. Rodgers' medical history sheet the application was refused.

LEWISHAM.—Four months' exemption was granted to H. Brumby, assistant with Mr. E. G. Price, Ph.C.

LONDON (CITY).—The application of Mr. W. Mosley, chemist and bacteriologist of the Wassermann Institute, was adjourned for four weeks to enable the production of evidence of the importance of his occupation. Exemption was refused to G. Pearmain, joint manager with Mr. A. Joensson, wholesale druggist, Mincing Lane, E.C., but the case of E. W. J. Bridge, secretary and joint manager, was adjourned for fourteen days so that he could apply for a badge. Three months' exemption was granted to Mr. A. J. Christie, of Christie & Co., chemical-merchants, 134 Upper Thames Street, E.C.

MAIDENHEAD.—Conditional exemption was granted to Mr.

Ralph Walton, chemist and druggist, and to Mr. M. C. Rock, chemist and druggist.

MALVERN.—Exemption until December 31 was granted to Mr. E. P. Andrews, chemist and druggist, with Mr. A. E. Baylis, chemist and druggist.

After the War.

How Stand our Chemical Industries?

Discussion by the Chemical Section of the London Chamber of Commerce.

MR. THOMAS TYRER presided at a meeting of the Chemical Trade Section, which was held at the offices in Oxford Court, E.C., on Friday afternoon, October 27, the object being to discuss the general policy of the chemical and allied industries on practical questions arising during and after the war, and to consider what concerted action may be desirable in the common interest. Several months ago the Council appointed a Special Committee to deal with this question, and this Committee has already adopted and submitted the following recommendations to the Council:

(1) That any measure which may be considered in connection with trade during and after the war should provide: (a) for preferential reciprocal trading relations between all parts of the British Empire; (b) for reciprocal trading relations between the British Empire and the Allied countries; (c) for the favourable treatment of neutral countries; and (d) for regulating, by tariffs and otherwise, trade relations with all enemy countries, so as to render impossible a return to pre-war conditions, and for stimulating the development of home manufactures and the consequent increased employment of native labour.

(2) That steps should be taken to prevent the dumping (and undervaluation) of enemy goods into British markets after the war.

The Chemical Trade Section has generally approved of these recommendations, and has also suggested that with the object of protecting the interests of the great chemical industries of this country, the Government should impose tariffs on imported and manufactured chemicals, preference being granted to our Dependencies and Allied States, with a view to keeping Great Britain independent of the supply of chemicals and allied substances of prime importance to the wool, cotton, pharmacy, and other industries. The following gentlemen attended the meeting:

F. J. Allen and Edmund White (Association of Fine Chemical Manufacturers); K. C. Allen (Stafford Allen & Sons, Ltd.); W. T. Allen (Allen, Harding & Co.); W. Bacon (Sendall & Bacon); Sir C. H. Bedford (General Secretary of the Association of British Chemical Manufacturers); E. Bevan (V.P. Institute of Chemistry); V. Blagden (Blagden, Waugh & Co.); E. J. Boake (A. Boake, Roberts & Co., Ltd.); E. Bernard Cook (Johnson & Sons, Ltd.); R. M. N. Dawlings (Johnson, Matthey & Co., Ltd.); G. E. Dixon (Capsuloids, 1909, Ltd.); Dr. M. O. Forster (Institute of Chemistry); A. Gale; Dudley Gale; John Godden; C. A. Hill, B.Sc., F.I.C. (The British Drug Houses, Ltd.); R. Hillyard (Burt, Boulton & Haywood, Ltd.); E. A. Hodgetts (Nobel's Explosives Co., Ltd.); D. Lloyd Howard (Howards & Sons, Ltd.); T. Maben (Parke, Davis & Co.); A. Macdonald (J. F. Macfarlan & Co.); Donald Mackenzie (T. & H. Smith, Ltd.); S. Martin (Association of Tar Distillers); T. Milne (Gas Light and Coke Co., Ltd.); Thos. D. Morson (T. Morson & Son); D. Napp (Hoffmann, La Roche Chemical Works, Ltd.); G. E. Pearson (Burroughs Wellcome & Co.); Ralph J. Pugh (London Chemical Works, Ltd.); F. Ransom (W. Ransom & Son, Ltd.); A. G. Salomon (Institute of Chemistry); H. E. Stevenson (H. E. Stevenson & Co., Ltd.); P. T. White (Alfred White & Sons); and G. H. Wilkinson (Secretary, British Wood Distillers' Association).

Mr. Tyrer opened the discussion, and was followed by Mr. Hodgetts, then by Mr. Boake, who urged the necessity for direct representation of chemical industry in Parliament. In regard to protection, he submitted that they did not want a tariff in order to bolster up their trade. They wanted "level terms" which they had never yet had. What is to become, he asked, of the heaps of chemicals lying in German warehouses, railways, barges, etc.? Are they to be dumped here and turned into gold? That will happen unless something is now done to prevent it, and Mr. Boake expounded graphically the simplicity with which we had in the past enabled German agents to settle here, sell what they had, and get all they wanted. Mr. G. H. Wilkinson then told of the conditions which had affected the wood-distilling industries before the war. Then 4,000 tons of wood charcoal was imported from Hungary annually, the price being fixed by the exporters, and anything over 4,000 tons was credited to the Hungarian Government in order to increase their acetate-of-lime output, which cannot be made in large quantities. Hungary paid the freight to Great Britain and fixed the price at 57s. 6d. per ton, this being most unfair to British makers, who had to pay heavy rail-

way freights. British wood-distillers could not manufacture all the charcoal required by Great Britain, but have done better during the war, and now ask an import-duty of 5*l.* per ton on charcoal, so as to stop the 4,000 tons imported. As acetate of lime is imported from Canada and the United States, the Association do not ask an import-duty on that, sufficient not being produced for home requirements. He showed how the supply of acetate of lime will be improved, and how the national need for acetone could be met. At present the Government imports 90,000*l.* worth annually, so that a subsidy of 10,000*l.* or 15,000*l.* to English makers would be an enormous saving to the nation. Mr. Pugh, speaking as a maker of salicylates, supported Mr. Wilkinson, and suggested that the Chamber should ascertain which chemical-industries in this country are capable of supplying the needs of Great Britain and the Colonies, then devise some means for protecting them against dumping and for opening up trade channels, because Germany would make it her business to find markets in lieu of those closed to her. Dr. M. O. Forster, in the course of a fine speech dealing with the dye-making industry, submitted that where you have a material which can be produced here in an amount sufficient for the requirements of the country, then a tariff should be placed on its importation, but it would be perfectly fatuous to place a tariff, for example, on particular dyes which cannot be produced in this country, and which would involve years of research and money to attain anywhere near the position of Germany. He told how Germans had throttled British makers of intermediary products—*e.g.*, beta-naphthol—and also spoke of the need for reforming our system of education. Sir Charles Bedford next spoke, and stated that they are forming sectional groups of chemical-industries in his Association, and each group will be studied in order of urgency. He approved of Mr. Boake's suggestion regarding direct political representation of the chemical-industry in the House of Commons, and discussed this at length, also stating that manufacturing chemists must abandon their trade jealousy and timidity with regard to the disclosure of secret processes among themselves. As to tariffs he suggested a Standing Board on which Government representatives would sit with representatives of the chief industries. Mr. D. Lloyd Howard said that the question of preferential trading relations between our Colonies and our Allies as a defensive means against our enemies is becoming less and less a party question as the result of an enlightened public opinion. No tariff alone will save the British chemical-industry, neither will education alone. There are a number of obstacles in the way—*e.g.*, the question of patents needs revision. It is only necessary to look up any group of German chemical-patents in this country: it is seldom a full disclosure is made, and whole groups of compounds are patented, not with the intention of working them, but with the idea of preventing further investigation. The stimulation of production in this country is a question for the whole population, and if they are not employed on productive work, then the strain will in time become intolerable. That is where Germany in her wisdom and foresight, aided by a paternal Government, has fostered and stimulated her production in every way. We need a similar sympathetic attitude towards production. Mr. C. A. Hill was in complete sympathy with the first resolution on the paper, all being unanimous that something should be done. The Germans had been very active in the past in obtaining the control and supply of certain products which are the only sources of important chemical-substances—*e.g.*, *santonin*, of which they monopolised the whole of the Russian supply of raw material, wormseed, thereby driving up prices to an enormous figure. Egyptian *henbane*, a source of *atropine* investigated by the Imperial Institute, was also monopolised by Germany, and everybody had to go to that country for the manufactured products. That sort of thing must be put a stop to. Nobody in particular was to blame, except, perhaps, the British manufacturers; but the time for recrimination is past, and efforts should now be directed towards securing co-operation between the various Government Departments, like the Foreign Office, the Imperial Institute, and the fine-chemical makers. He was sure that further steps would lead to better results.

The Chairman then wound up the discussion, and intimated that the Secretary of the Chamber had prepared a third report on the measures to be taken to give full effect to the recommendations of the Economic Conference of the Allies, which will be ready towards the end of the year. He moved, Mr. Blagden seconded, and the meeting unanimously agreed, that the questions raised in the discussion be referred to the respective Sub-Sections for consideration and such action as may be practicable.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Sir Joseph Beecham's Funeral.

The funeral of Sir Joseph Beecham, whose death was announced last week (*C. & D.*, October 23, p. 43), took place at St. Helens Cemetery on October 27. A choral service was held previously in the parish church, at which Mr. S. W. Pilling, an old friend of Sir Joseph's, presided at the organ, and Madame Edna Thornton sang "O Rest in the Lord." The Vicar, in the course of his address, dealt with the services of Sir Joseph to St. Helens and in the realm of art. There was a very large attendance at the church and the grave, and many magnificent floral tributes were sent by relatives and friends.

Cocaine in Dentistry.

The Home Secretary informs us that the permission granted to unregistered persons *bona fide* engaged in practising dentistry on July 23, 1916, to purchase cocaine preparations containing not more than 1 per cent. of cocaine for use solely as local anaesthetics in connection with dental work has been extended to December 15, 1916.

In the House of Commons on October 31 the Home Secretary informed Mr. Ruffan that he will be glad to consult his hon. friend as to the terms of reference to the promised Committee. The proceedings of Departmental Committees are not held in public, but the minutes of evidence could, if necessary, be published as a Parliamentary Paper. Mr. Samuel added that he does not anticipate that the inquiry will be a long one, and he had accordingly extended the present permit. If that should prove insufficient, a further extension will, of course, be granted.

Ramsay Memorial.

A meeting was held in the Botanical Theatre of University College, Gower Street, London, W.C., on October 31, for the purpose of considering the steps to be taken to raise a memorial to the late Sir William Ramsay. Lord Rayleigh, F.R.S., was in the chair, and, in an introductory speech, dealt with the discovery of argon by Sir William Ramsay, which was due to the quick grasp of the significance of a difference in weight of nitrogen from the air and from other sources. It is not a "rare" gas, said Lord Rayleigh, there being more in the room "than any of us could carry." Mr. J. A. Pease (Postmaster-General), who represented the President of the Board of Education (Lord Crewe), then moved a resolution that steps be taken to raise a fund as a memorial to Sir William Ramsay, to be utilised for the purpose of promoting chemical teaching and research under a scheme to be approved by the subscribers. The resolution was seconded by Sir J. J. Thomson (President of the Royal Society), and supported by M. Paul Hymans (Belgian Minister) and Mr. W. H. Buckley (representing the American Ambassador). Other resolutions were adopted appointing Lord Rayleigh Chairman, Professor J. Norman Collic Treasurer, and Dr. Samuel Smiles Secretary of the Committee appointed to carry out the objects. Afterwards a public lecture on "The Scientific Work of Sir William Ramsay" was given by Professor J. Norman Collic in the new Chemical Theatre, at which Sir William Tilden presided. Both functions were very largely attended.

Society of Chemical Industry.

The first meeting of the 1916-17 Council of the Society was held at the rooms of the Royal Society of Medicine, Wimpole Street, London, W., on October 23, and afterwards the President (Dr. Charles Carpenter) entertained the councillors and the Publication Committee to dinner at the Welbeck Palace Hotel. Mr. MacAlister, Secretary of the Royal Society of Medicine, Sir William Crookes, O.M., and Dr. R. Messel were also present. It was suggested last year that the Council should meet at least twice during the session at one of the provincial centres. This has been arranged, and the first meeting is to be held in Liverpool, followed by another in Leeds at the invitation of the University. The idea underlying this development is more intimate co-operation of departments of chemical industry, as well as saving the Council's time and concentrating this upon the Society's more intimate work. It may be noted in this connection that leaders of the Association of Chemical Manufacturers are on the Council of the Society.

Dr. R. M. Caven, F.I.C., gave an address to the Nottingham Section of the Society on Wednesday evening, October 25, the subject being chemical education. In this he outlined the conditions that must be fulfilled by the scientific army which is to keep up our trade in the future.

Contracts.

The following have been settled during the past week:

Christchurch (Hants) Guardians.—G. E. Bridge & Co., for hospital dressings.

Indian Government.—Lysol, Ltd., for lysol.

London County Council.—For three months' supplies to the Asylums.—Drugs: May & Baker, Ltd., 68/1. 15s. 3d.; T. Hodgkinson, Prestons & King, 268/1. 0s. 7d.; Willows, Francis, Butler & Thompson, Ltd., 82/1. 12s. 3d.; Corbyn, Stacey & Co., Ltd., 28/1. 10s. 3d.; Burgoyne, Burdidges & Co., Ltd., 146/1. 8s. 8d.; Baiss Bros. & Co., Ltd., 142/1. 17s. 1d. Druggists' sundries: May, Roberts & Co., Ltd., 7/1. 14s. 5d.; S. Maw, Son & Sons, 89/1. 1s. 5d. Bandages and dressings: Carnegie Bros., 48/1. 16s. 4d.; Arthur Berton, Ltd., 65/1. 3s. 3d.; W. G. Taylor, 76/1. 18s. 3d.; J. F. Macfarlan & Co., 113/1. 19s. 6d.; Cuxson, Gerrard & Co., Ltd., 43/1. 9s. 1d.

Walthamstow U.D.C. has placed an order for a month's supply of soap tablets for the baths with the Sanitas Co., Ltd., at 42s. per cwt.

Birmingham.

It is Mr. H. Rigg (not Mr. T. L. Reeve) who has become a member of the Minimum Prices Committee of the local Pharmaceutical Association.

The female munition-worker has still the faults of Eve: likes new things, which, happily for pharmacy, include toilet-soaps at 6d. a time and dainty perfumes at five times as much.

Garlic is now worth from 33/1. to 48/1. per ton. Before the war 15/1. a ton was a high price. It is largely consumed in this city by the Italian population in St. Bartholomew's Ward, where in the shops may be seen garlands of garlic bulbs and chillies.

The Birmingham Reference Library celebrated its Jubilee on October 23. It is of interest to pharmacists, as the Association's first collection of books was kept at this institution, and was among the 50,000 volumes destroyed in the disastrous fire of 1879.

Leeds.

A large Council-school in North Leeds is being fitted up with 400 beds as a military hospital.

Goodall, Backhouse & Co. have given a donation of 50/1., and Reynolds & Branson, Ltd., one of 10/1. 10s., to the Y.M.C.A. Fund.

Almost every pharmacist in Leeds is closing at 8 p.m. sharp. Many could legally keep open later, as they hold wine-licences, but are not doing so.

The new Leeds Insurance Pharmacopœia came into operation on November 1. Juice of broom disappears from the formulæ, and emulsion of chloroform displaces spirit of chloroform of the first edition. Many Leeds pharmacists will be dispensing this week emulsion of chloroform for the first time in their lives; it has disappeared from the U.S.P.

Liverpool.

Mr. William P. Evans, President of the Liverpool Chemists' Association, has been nominated by the Council for re-election at the next general meeting.

Lieutenant J. V. Holland, whose name appears in the latest V.C. list, is a former student of Liverpool University (School of Veterinary Science) under Dr. J. Share Jones.

A party of Canadian soldiers stranded in Liverpool last Sunday, with only Canadian coin in their pockets, happily found a pharmacy open at which their money was changed, and they obtained advice useful to them in a strange city. More systematic municipal attention to Colonial and foreign visitors in Liverpool has long been advocated.

A special inquiry this week shows that the evening business at many pharmacies has fallen off since the compulsory closing regulation came in force, the streets being uninviting and increasingly dangerous. Whatever modification of the panel arrangements may be found necessary owing to the earlier hour of closing should be easily effected.

By the modification of the early closing order, the Government has come into line with the majority vote passed at the joint conference of the Liverpool Chemists' Association and the Pharmaceutical Committee last week. Hence there will be no need to vary the agreement with the local Insurance Committee to receive prescriptions up to 8 p.m. That the trend is towards early shopping may be seen from the experience of a suburban pharmacist. He states that whereas he was wont to have few customers in the afternoons and a rush about closing-time, he now finds the afternoon busy, while the darkened streets, the early closing by other tradesmen, and the fear of being too late, which compulsory orders have engendered, have checked evening trade. This week the actual operation of the order has coincided with a renewal of stormy weather. Hence even the pharmacies which have been mainly occupied

with a night business are greeting their customers at new and reasonable hours. Nothing has yet been attempted collectively, as at Halifax and some other places, to induce the panel doctors to open and close their consulting-rooms at earlier hours. On Sunday evening, for the first time, church-bells were silent by police order.

Sheffield.

Mr. Ernest Preston, lecturer on pharmacy and materia medica at the Sheffield Secondary School, is to take the third year's chemistry classes in addition to his present work.

An effort is to be made to arrange for meetings of the local Association to take place on moonlight nights, as the restricted lighting and the shortened tram service would probably reduce the attendance to a minimum.

The local Press has been commenting on the increased dispensing-fees for chemists, but omitted the decimal point before the cypher, so the report appeared as an increase of 3d. per scrip. Attention was drawn to the matter, and the error has been rectified.

Newton & Chambers' Izal department believe in "keeping the home fires burning," as they have appointed Mrs. J. A. Maehen, whose husband has joined up with the Motor Transport Section, to represent them in the Sheffield district during his absence.

Miscellaneous.

POISON-LICENCE WANTED.—Mr. Frank Harris (S. West & Sons), seedsman and florist, The Market, Oxford, is applying for an agri-horticultural poison-licence.

CHINESE AND OPIUM provide us with another half-dozen convictions this week. The Thames Police Court was the place of trial, the offence possession of opium, and the penalties fines of from 2/1. to 21/1., or 48/1. altogether, with the prison as an alternative.

THE ANNUAL MEETING of the National Association of Insurance Committees has just been held, and the Executive Committee of over eighty has been reduced to sixteen. Both Mr. P. F. Rowsell, J.P., and Mr. W. S. Glyn-Jones, M.P., are members of the new Executive.

THE CREDITORS of Eric L. Berggren & Co., turpentine-agents, 374 Old Street, London, E.C., met at the London Bankruptcy Court on Thursday, October 26, when the Official Receiver reported that no one had surrendered under the proceedings, and an inspector had reported that the premises, 374 Old Street, are closed during the war. The Official Receiver is to wind up the matter in bankruptcy.

THERMOS FLASKS.—At Thames Police Court on October 29, Peter C. Forbes (45), William Cordell (43), and James K. Davidson (31) were committed for trial on a charge of being concerned together in stealing five cases of Thermos vacuum flasks, value 139/1. 3s., the property of the Midland Railway Co. Davidson pleaded guilty and Forbes and Cordell said they were not guilty. Particulars of the case were given in last week's issue of the *C. & D.* (p. 40).

LIGHTING OFFENCES.—Among the convictions since our last issue are the following: Mr. J. B. Francis, chemist and druggist, 56 Hope Street, Wrexham, fine 10s.—Mr. S. H. Cadoux, chemist and druggist, 44 Belvoir Street, Leicester, fine 10s.—Mr. T. L. Hollelly, Ph.C., Retford, fined 20s. although a constable said he and the Mayor stood at the approach to Mr. Hollelly's drive and saw no lights to complain of. Mr. Hollelly is an ex-Mayor of the borough.

POISONINGS.—Among the poisonings reported during the week is one of a child of New Boultham, Lincoln, who ate some tablets containing strychnine in the belief that these were sweets. A case of poisoning occurred at Wombwell, where a woman named Oldfield was found to have died from Bright's disease, accelerated by an irritant poison, probably lead. A Westminster butler named Wadham, who was being arrested by a detective, took some potassium cyanide, and died at the police-station.

DRUGGISTS' GOODS.—At the Lambeth Police Court, W. E. White (26), a carman, E. Charlton (29), provision-dealer, and Mrs. Alice Charlton (27) were remanded on a charge of being concerned together in stealing and receiving camphorated oil and vasoline, the property of P. H. Galloway, Ltd., manufacturing chemists, Walworth Road. White pleaded guilty, but both the Charltons declared that they did not know the goods were stolen. The Magistrate (Mr. Biron) accepted bail in 25/1. for Mrs. Charlton.

TARTARIC-ACID SUBSTITUTES.—Owing to the scarcity of tartaric acid, substitutes for it are being used, and baking-powder containing arsenic is one of the results. There has been a seizure at Paddington in consequence of a letter from the Local Government Board suggesting that special

attention should be given by the local authority to baking-powder, egg-powder, self-raising flour, and cream-of-tartar substitute sold in the district, analyses having revealed the presence of considerable amounts of arsenic. This the public analyst has proved, and steps are being taken to stop the sale of such products.

TREAT TO WOUNDED SOLDIERS.—W. J. Bush & Co., Ltd., Ash Grove, Hackney, N.E., entertained 150 wounded soldiers one day last week. They had in co-operation with them Inspector Wiggs, of the Hackney Special Constabulary, who looked after the arrangements for the entertainment of the wounded men. Mr. James M. Bush, chairman of the company, and Mr. Alfred W. Bush, his brother and co-director, were present, and gave hearty assistance with everything. The men were conveyed by four motor-buses and a number of motor-cars from the Clifden Road and Stormount House Military Hospital to the "Bricklayers' Arms," Thornwood, Epping. Immediately on arrival a refreshing cup of tea was served to them, and after it various competitive sports took place, the winners receiving prizes. Then a meat-tea was provided, and subsequently Mr. George Courtney's concert-party gave the company a delightful entertainment.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Boileau & Boyd have been declared contractors for drugs, etc., for Dr. Steeven's Hospital, Dublin.

The staff of Thos. McMullan & Co., wholesale druggists, Belfast, have sent a cheque for 87l. 11s. 6d. to the Ulster Volunteer Force Patriotic Fund for disabled soldiers and their dependants. The members of the firm have also subscribed to the fund.

In the Northern Police Court, Dublin, on October 31, Henry J. Sumner, 45 Manor Street, Dublin, was fined 10s. for selling 3 oz. of mercury ointment which was certified to contain only 11.25 per cent. of mercury, whereas according to the B.P. it should contain 30 per cent.

A discourse will be delivered in the Lecture-theatre of the Royal Dublin Society, Kildare Street, Dublin, on November 8, at three o'clock, by Professor J. A. McClelland, D.Sc., F.R.S., on "The Efforts now being Made by Government Aid to Promote and Organise Scientific and Industrial Research with a View to the Advancement of the Manufactures and other Industries of the Country."

Thomas McMullan & Co. have given up their retail business at the corner of Ann Street and Victoria Street, Belfast. The wholesale business will be carried on as usual. Mr. D. O. Perry, manager of the retail drug department, and Mr. J. Thompson, drug and grocery traveller, have taken premises in Ann Street, and will carry on business as Perry & Thompson, druggists and grocers. Messrs. McMullan's business is one of the oldest in the city, and the retail shop has been a landmark in the drug-trade for many years.

During a gale in Dundrum Bay, co. Down, on October 27, the Newcastle lifeboat was called out to the s.s. *Plasma*, which was in distress. The crew was short, and, volunteers being called for, Mr. Robert Hastings, J.P., R.D., who is a member of the Lifeboat Committee and an experienced oarsman, took a place in the boat. Heavy seas drove the boat back to land, and it was subsequently launched two miles further along the coast. The crew subsequently rescued the eight men on board the steamer, and landed them at Newcastle.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Stirling Burgh Insurance Committee have agreed to the recommendation of the Finance Sub-Committee to pay 9d. per script in advance to panel chemists for the quarter ended September 30.

A lad employed by William Paterson & Co., wholesale druggists, Aberdeen, while removing some carbon bisulphide last week, spilt some of it on his clothes, and it was ignited by the fire near by. He was treated at the infirmary. Considerable damage to the premises was also done by fire and water.

On Monday of this week the whaling ketch *Albert* arrived at Peterhead with a cargo of oils and other produce from Hudson Bay.

Mrs. Bennet, wife of Mr. F. W. M. Bennet, chemist and druggist, 138 High Street, Arbroath, having retired from the office of Worthy Matron of Chapter Rosemary of the Order of the Eastern Star, has been presented by the members with a beautiful star pendant in recognition of her valuable services.

Mr. Thomas J. Keenan, F.C.S., who has been taking a prominent part in the proceedings of the American Chemical Society's meeting at New York recently, is a Dundonian, and served his pharmacy apprenticeship in the town. He is now a leading American authority on the chemistry of paper, and is the editor of "Paper."

Medicines for Dundee Prison are to be supplied under a new arrangement in future. Instead of quotations being invited for a long list of drugs, it is now proposed to ask chemists whether they are willing to dispense at National Insurance rates, and to supply drugs and appliances at prices in The British Drug Houses' list, plus 7½ per cent.

Edinburgh.

There is almost certain to be a big rise in the price of spirit very soon.

Itch has seldom been so prevalent as at present, and sulphur ointment is in great demand in some districts.

St. Cuthbert's Co-operative Association has reopened the drug-shop in Montrose Terrace.

Since the announcement regarding the sale of glycerin chemists have been receiving demands for quantities from all sorts of people. The recommendation, however, has met with immediate attention from the trade.

Dr. J. L. Ewing (Duncan, Flockhart & Co.), as an Edinburgh business man, has told the local "Evening Dispatch" that at the end of the war Great Britain will have largely supplanted Germany in many chemical products, but that country will make frantic efforts at any cost to retain its trade.

It is strange that the lay Press, which has a great deal to say regarding earlier closing, has not recalled the fact that the famous Johnnie Dowie was one of the pioneers in this matter. His tavern in Liberton's Wynd was the resort of Fergusson, the poet, Robert Burns, and many others of that ilk; but Dowie always refused to harbour his guests after midnight had "chapped."

Though there may be little passing trade in the evenings this winter, it is of interest to window-dressers to learn that the authorities are going to have certain shop-windows chosen, the lighting thereof serving as a model of what is necessary under the regulations. Few chemists have adopted any of the devices employed by big city shops to indicate that their premises are open for business.

Fife.

Sir Douglas Haig has been elected Rector of St Andrews University. He is a Markinch man.

The sale of bulbs is quite an autumn side-line in certain parts of the East of Scotland. Many chemists are displaying bulbs guaranteed to flower at Christmas.

Judge Peebles, chemist and druggist, Kirkcaldy, gave his support to a motion for compulsory powers to detain patients in sanatoria at the last meeting of the Burgh Insurance Committee.

Glasgow.

On Monday night the premises of Turnbull & Co., manufacturing chemists, 16 Great Eastern Road, Glasgow, were damaged by fire to the extent of between 1,500l. and 2,000l.

The Glasgow Pharmacy Athletic Club commences the winter social programme with a whist-drive in its rooms, 165 Hill Street, Charing Cross, on Tuesday evening, November 14, at 7.15. The Committee intends holding a series of entertainments during the winter session, a godly portion of the proceeds of which will be devoted to war charities.

TRANSVAAL PHARMACY BOARD.—His Excellency the Governor-General has nominated Messrs. J. H. Dinwoodie (Johannesburg) and Walter Harvey (Heidelberg) as members of the Board for a period of three years or until the coming into operation of a Dental and Pharmacy Act for the Union. Nominations closed on October 13 for three members to be elected on the Board, but as a new Dental and Pharmacy Act is likely to become law about May 1917, the three present members—Messrs. B. Owen Jones, A. Rennie, and Jno. Christie—were to be elected without opposition.

Legal Reports.

Essential Oils for Germany.—In the Prize Court on October 30, Sir Samuel Evans delivered judgment in a case in which the Crown asked for the condemnation of a cargo of ten cases of essential oils consigned on the steamship *Progreso*, of Norway, by Pfalz & Bauer, New York, to Alaf Prytz, Gothenberg. His Lordship declared that the oils were on their way to an enemy destination and were enemy goods. He ordered them to be detained or sold under the direction of the Court.

A Phosferine Action.—In the Chancery Division on October 27, Mr. Justice Younger had mentioned to him a motion by Ashton & Parsons, Ltd., for a writ of attachment against Mr. Edmund Dart, who trades as the Dart Remedies Co. at Market Place, Pontypridd, and is also known as "Professor Edmunds." Mr. Kerly, K.C. (for plaintiffs) complained that the defendant had committed a breach of an injunction granted by Mr. Justice Sargent in March 1915 in a trade-mark and passing-off action restraining him from passing off an article as phosferine that was not the plaintiffs' preparation. Counsel said that the evidence was not quite ready, and his Lordship allowed the motion to stand over for a fortnight.

Medicine-stamp Acts.—At West Ham Police Court on October 31, summonses taken out under these Acts, at the instanco of the Commissioners of Customs and Excise, against Sarah Harriett Bishop, Rathbone Street, Canning Town, for selling a box of Bishop's indigestion-pills and a bottle of cough-mixture, which were dutiable but unstamped, came before Mr. Gillespie. A letter was read in which it was stated that the defendant died on February 14. Mr. E. R. Booth appeared for the Commissioners, and mentioned that the husband died a few months ago, while proceedings against him were pending. Mr. Booth now made telephonic inquiries regarding Mrs. Bishop's death, and withdrew the summonses.

Dentists Act: D.D.S., U.S.A.—In the Northern Police Court, Dublin, before Mr. Drury, the hearing was concluded on October 30 of an action, under Section 3 of the Act, against David Isaacson, by Mr. D. L. Rogers, Hon. Secretary of the Irish Branch of the British Dental Association, for unlawfully using "Mr. Davy, D.D.S., U.S.A.," signifying by the letters "D.D.S." Doctor of Dental Surgery, and purporting that he was a person specially qualified to practise dentistry. In other summonses he was charged with having used in advertisements in Dublin papers descriptions to which he was not entitled, such as "Mr. Davy, the Star of the Dental World," "Great War against High Prices: Dublin Dentist's Remarkable Offer," "Unique Dental Operator." Mr. Chambers, K.C., M.P., appeared for the defendant, and Mr. Samuels, K.C., for the complainant. The evidence showed that the words "Dublin Dentist's Remarkable" had been inserted in the advertisement, and when defendant saw them he repudiated them and directed that they should not be repeated. The Magistrate, in giving judgment, said he did not consider the advertisements, other than that which contained the words "Dublin Dentist's Remarkable Offer," bore the meaning suggested by the prosecution. The latter advertisement undoubtedly brought the defendant within the Act, but he repudiated it. He dismissed the summons on the ground that there were extenuating circumstances, and also dismissed on the merits summonses in regard to other advertisements. He fined the defendant 40s. on the "D.D.S." summons, and ordered each party to abide his own costs. He agreed, on the application of Mr. Samuels, K.C., to state a case for the High Court.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

GLENVILLE GLASSWORKS, LTD. (P.C.).—Capital 5,000*l*. Objects: To take over the business of the Glenville Glassworks, bottle-manufacturers, Glenville Grove, Deptford. The first directors are C. M. Campbell, A. Plowright, and W. E. Blakey.

VICTOR MARRIOTT, LTD. (P.C.).—Capital 500*l*. Objects: To take over the business of V. W. Marriott (the "Cyanite Paint Co."), 13 Melbourne Square, Brixton, S.W. The subscribers and directors are E. E. Boyes and V. W. Marriott.

SANAGEN CO., LTD. (P.C.).—Capital 100*l*. Objects: To manufacture and deal in the medicinal preparation "Sana-

gen," to carry on the business of chemists, etc. E. P. Carpenter and K. K. Carson are the first directors. Solicitors, Bristows, Cooko & Carpmael, 1 Copthall Buildings, E.C.

ALLEN STEWART & CO., LTD. (P.C.).—Capital 100*l*. Objects: To carry on the business of manufacturers, importers, and exporters of and dealers in merchandise, chemicals, drugs, chemists' and hairdressers' sundries, perfumery, etc. The first directors are F. W. Thomas, Mrs. L. Thomas, T. Tait, and Mrs. E. Tait, 55 Dalmeny Avenue, Norbury, S.W.

DETERGENT PRODUCTS CO., LTD. (P.C.).—Capital 2,000*l*. Objects: To take over the property and all rights of A. Paterson in a certain secret process for the manufacture of detergents for the cleansing of clothes and other articles, and to carry on the business of chemists, druggists, dry-salters, etc. The first directors are A. Paterson, A. Edwards, and E. Mitcalfe, 54 New Broad Street, E.C.

A. J. HUSBAND, LTD. (P.C.).—Capital 2,000*l*. Objects: To carry on the business of varnish-manufacturers, oil, spirit, and colour men, chemists, druggists, etc. The Board of Trade has authorised the acquisition by this company of part of the undertaking of Heyl Bros., Ltd., the books and documents of which are liable to inspection under Section 2 (2) of the Trading with the Enemy Act, 1914. The subscribers are A. J. Husband, H. Spencer, and R. J. Hamer. Solicitors, Cruesemann & Rouse, 85 Gracechurch Street, E.C.

Births.

ANDERSON.—At Belgravia, Johannesburg, on September 8, the wife of Alexander Anderson, chemist and druggist, of a son.

ANDERSON.—At 82 Op de Bergen, Fairview, Johannesburg, on September 19, the wife of J. Miller Anderson, chemist and druggist, of a son.

DANIEL.—At 22 Loraine Mansions, Holloway, N., on October 25, the wife of Geo. B. Daniel, chemist and druggist, of a daughter.

MITCHELL.—At 51 Kirkland Street, Glasgow, on October 24, the wife of Robert L. Mitchell, chemist and druggist, Durban, South Africa, of a daughter.

Marriage.

WALTON—HOOPER.—At St. Jude's, Weston-super-Mare, on October 23, Lieutenant Frank W. Walton, the West Riding R.H.A., to Marjorie Emma, younger daughter of Dr. and Mrs. David Hooper, formerly of Calcutta.

Deaths.

DAVIES.—At 9 Stockwell Road, Clapham Road, S.W., on October 31, Mr. S. H. Davies, of the Medical Hall there, aged sixty-one.

FORTUNE.—At Fernlea, Pittenween, on October 27, Janet Clarke, widow of Robert Fortune, chemist and druggist, Anstruther, aged seventy-five.

FRENCH.—At Acorn Cottage, Brockhurst, on October 29, Mr. Benjamin French, chemist and druggist, North Street, Gosport, aged eighty-eight. He was formerly a dispenser at the Royal Naval Hospital, Haslar, and afterwards set up in business in North Cross Street, Gosport.

HALDEN.—At High Possil, Glasgow, on October 29, suddenly, Mr. Francis Halden, chemist and druggist, youngest son of the late Alexander Halden, Paisley. Mr. Halden passed the Minor examination in July 1906.

TRICK.—At The Cottage, Newton, Mumbles, Mr. Michell Trick, chemist and druggist, aged seventy.

Died on Service.

DAVIES.—Killed in action in the Balkans, Private T. H. Davies, 1st Manx Service Company, who was formerly an assistant with Mr. Douglas Greensill, chemist and druggist, Douglas.

LOUDEN.—Private W. T. Louden, Scots Fusiliers, is dead. He was a son of Mr. W. T. Louden, chemist and druggist, Dumfermline, and aged twenty-three. He was a journalist, and went through the Gallipoli campaign with the Fife and Forfar Yeomanry.

PERKS.—Killed in action in France, Corporal L. S. Perks, aged nineteen. He was apprenticed to Taylor's Drug Co., Ltd., 40 The Grove, Ilkley, and was with them when the war broke out, having served from August 1911 to September 1914, when he joined the Colours. He had been in the trenches for fourteen months.

Pharmaceutical Society of Great Britain.

Council-meeting.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on November 1. The Councillors present were: Mr. E. Whitto (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, J. H. Cuff, W. L. Currie, J. W. Deakin, F. J. Gibson, R. L. Gifford, T. Guthrie, A. Hagon, J. F. Harrington, J. Harrison, J. Keall, L. M. Parry, P. F. Rowsell, F. P. Sargeant, H. Skinner, and J. R. Young.

ELECTIONS AND RESTORATIONS.

The minutes of the previous meeting having been read and confirmed, six members and ten student-associates were elected, and six persons restored to their former position in the Society. The name of one chemist was restored to the Register of Chemists and Druggists. Thirty-one apprentices or students were registered.

CORRESPONDENCE.

Letters of thanks were received from Mrs. C. B. Allen and Mr. C. T. Allen for the resolution of sympathy which the Council passed last month.

The Colonial Office transmitted a copy of an Ordinance to consolidate and amend the law relating to the registration of pharmaceutical chemists and to regulate the sale of poisons in Hong-Kong. This is to be considered by the Law Committee.

The Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, and Sheffield transmitted copies of regulations regarding an additional school certificate examination which is to be instituted in 1917. This was sent to the Boards of Examiners for consideration.

The Bribery and Secret Commissions Prevention League forwarded particulars of an affiliation scheme, and invited the Society to join. The General Purposes Committee are to discuss this problem.

The Doncaster Pharmacists' Association conveyed a resolution of dissatisfaction at the inadequate terms offered for Insurance dispensing for 1917. In reply to Mr. Rowsell, the PRESIDENT said other letters of the same kind had been received. Mr. ROWSELL remarked that the terms are by no means satisfactory to the chemists of the country.

The Newport Pharmacists' Association wrote suggesting that diachylon be placed in Part I. of the Poisons Schedule.

The executor of the late A. W. Chard, Chichester, intimated that a legacy of 100*l.* had been left to the Benevolent Fund, but that as the estate consists entirely of shares it would be some time before these were realised.

Mr. J. Rutherford Hill sent a report of the meeting of the Executive of the North British Branch and the list of nominated examiners for Scotland. The Council confirmed the appointment of the examiners (see p. 40).

The Committee compiling the annual tables of constants, etc., asked for a renewal of the Society's contribution. The House Committee will discuss the advisability of repeating the grant.

FINANCE COMMITTEE.

The SECRETARY then read the report of the Finance Committee, which sat on the previous day.

The receipts of the General Fund since the last meeting were 3,950*l.* 17*s.* 1*d.*, made up as follows: Penalties and costs, 132*l.* 18*s.*; "Journal," 78*l.* 4*s.* 3*d.*; "B.P. Codex," 5*l.* 8*s.* 11*d.*; subscriptions, 113*l.* 18*s.* 6*d.*; registration-fees, 96*l.* 12*s.*; restoration-fees, 5*l.* 5*s.*; ground-rents, 35*l.* 12*s.* 6*d.*; sale of War Stock, 2,792*l.* 17*s.* 6*d.*; election of Pharmaceutical Committees, 14*s.* 8*d.*; School of Pharmacy, 689*l.* 5*s.* 9*d.* After deducting the payments ordered at the last meeting and placing 1,000*l.* on deposit with the London County and Westminster Bank, there remained a balance of 2,712*l.* 0*s.* 7*d.* It was recommended that payments be made amounting to 1,625*l.* 0*s.* 11*d.* The balances on the Benevolent Fund were: Current account, 146*l.* 19*s.* 5*d.*; donation account, 117*l.* 15*s.* 11*d.*; Orphan Fund, 71*l.* 17*s.* 4*d.*

The TREASURER moved the adoption of the report, and, referring to the sale of War Stock, said this had taken place at a slight loss, which it was impossible to avoid.

The report was adopted.

BENEVOLENT FUND COMMITTEE.

The SECRETARY read the report of this Committee, which recommended grants amounting to 96*l.* 10*s.* to six applicants. It was mentioned that one annuitant had died since the last meeting. A circular letter has been sent

out to local Associations regarding collecting-boxes for use at Association gatherings.

Mr. BILSON moved the adoption of the report. He said the collecting-boxes are ready, and should yield a considerable amount if interest were taken in the scheme. At a meeting he attended recently a trial was made of collecting for the Benevolent Fund, and although there were only twenty-four members present, 30*s.* was collected. Special donations have been received from the Newcastle, Derby, and Birmingham Associations, Miss Hornblow, Mr. Stiles, and Mr. W. P. Want, the last-named being the profits on a minimum price-list scheme.

The report was adopted.

LIBRARY COMMITTEE.

The report of the Library, Museum, School, and House Committee was presented and adopted. The only item of interest was in regard to the teaching of micro-biology, which is still in abeyance.

PARLIAMENTARY COMMITTEE.

The report of the Parliamentary and General Purposes Committee was next presented. It stated that Mr. Rowsell attended the meeting of the National Council for Combating Venereal Diseases, and arranged for delegates to meet medical men to consider a phase of the subject. The examiners for England and Wales were re-elected, except Mr. Tickle, who has retired. In regard to the Patent-medicine Committee's report it was considered inadvisable to express an official opinion in view of the remoteness of Government action on the matter. A member is to be removed from the roll of membership. The January Council-meeting is to be on the second Wednesday.

LOCAL ASSOCIATIONS COMMITTEE.

The report of this Committee was embodied in that of the Parliamentary Committee. Mr. Body and Mr. Pickard, the new members, were present. The result of the ballot respecting pharmaceutical service for 1917 was laid before the Committee. After full discussion, in which the inadequacy of pharmacists' payment was commented upon, it was decided that with regard to certain areas the President and Vice-President should act to the best of their judgment in dealing with the situation. On the suggestion of Mr. Rowsell, it was agreed that the Commissioners should be asked whether they consider the service adequate, and give time for any necessary action to be taken. The report of the Checking Bureau was received, and the question raised of continuing the service. The unanimous opinion was reached that the work of the Bureau had justified its continuance, and an estimate of the cost of the scheme for 1917 is to be prepared. A suggestion by Mr. Jenkin as to the use of the letters "M.P.S." for popularising the Society was referred to the Law Committee for consideration. The Proprietary Articles Trade Association is to be asked to approach Wright, Layman & Umney, Ltd., in regard to the increase in the wholesale price of Wright's coal-tar soap. The Sugar Commission is to be approached through the Board of Trade and asked to release sugar for chemists' use. A discussion took place on the supply of glycerin, and the Chairman explained what had been done in the matter. Resolutions from Great Grimsby and the Isle of Ely Pharmaceutical Committees expressed dissatisfaction with the remuneration for Insurance dispensing. Great Grimsby failed to see why the same remuneration could not be obtained as that afforded to the Scottish chemists. The communications were ordered to lie on the table.

The report was adopted.

The Boards of Examiners reported that in London and Edinburgh there were seventy-nine candidates at the October examination, and of these thirty-five passed.

The Divisional Secretaries for Scotland were appointed.

This concluded the public business.

North British Branch.

MR. DAVID GILMOUR presided at a meeting of the Executive of the Branch, held at 36 York Place, Edinburgh, on October 25, others present being Messrs. Cowie, A. Currie, W. L. Currie, Doig, Fisher, Forbes, Glass, Giles, Guthrie, Jack, McKenzie, McMillan, Nesbit, Storrar, and Wilson. The CHAIRMAN alluded to the deaths of a son of a member of the Executive, and of Mr. C. B. Allen, the VICE-CHAIRMAN (Mr. Giles) supporting his eulogium of the latter. Mr. Thomas Guthrie's co-optation as a member of the Council was also referred to in a congratulatory manner, and Mr. GUTHRIE returned thanks. Mr. Robert Marshall, Grangemouth, was elected on the Executive in his place.

EXAMINERS.

Dr. Leonard Dobbin (Edinburgh), Dr. William Gardner Smith (Edinburgh), Dr. James Fowler Tocher (Aberdeen),

Peter Boa (Edinburgh), *J. Innes Fraser* (Edinburgh), Thomas Stephenson (Edinburgh), *Henry Stout* (Edinburgh), and *Thomas Wilson* (Burntisland) were nominated for 1917. Those in italics are new members.

OTHER BUSINESS.

It was agreed to hold an evening meeting in December and another in February.

Mr. Thomas Mackinnon was selected as Divisional Secretary for Govan, in place of Mr. J. P. Gilmour.

Particulars were submitted as to the new Earlier-closing Order, and the Executive welcomed the regulations.

Mr. Rutherford Hill reported on the meeting of the British Pharmaceutical Conference in London in July.

The settlement of the 1917 Insurance dispensing terms (*C. & D.*, October 7) was formally reported. The paragraph as to the Sale of Food and Drugs Act is to apply as in England and Wales.

A suggestion by the Glasgow and West of Scotland Chemists' Association, that a conference of Scottish Chemists' Associations should be held, was referred to the General Purposes Committee.

Arising from remarks by Mr. Forbes as to scientific education after the war, Mr. W. L. CURRIE stated that the matter is receiving the careful attention of the Council. Mr. FORBES also spoke about grants, so the matter was referred to the General Purposes Committee.

CHEMISTS AND MILITARY SERVICE.

It was reported that, on the whole, satisfactory arrangements had been made with regard to maintaining an adequate pharmaceutical service by securing the exemption of a sufficient number of dispensers from the provisions of the Military Service Acts. Difficulties had nevertheless arisen, and in view of the increasing stringency of the Tribunals and Military Representatives, the matter had been reported to the Secretary in London, with a suggestion that the Army Council should be informed as fully as possible of the special conditions affecting the maintenance of an adequate pharmaceutical service. The Secretary replied to the effect that the matter was having very careful attention in the best interests of the country.

Trade Notes.

ASEPTIC BED-SHEETINGS, which are acid-proof, are made by J. G. Ingram & Son, Hackney Wick, London, N.E.

HORLICK'S MALTED-MILK is now being used as a nutrient beverage by munition-workers. Retail chemists may find the fact useful.

"ZEPTO" TELEPHONE-GIRL.—An excellent sketch of this new window-exhibit is contained in the November issue of "Christy's Monthly."

WHITE AND GREY BANDAGES are offered at special low prices by Hospitals and General Contracts Co., Ltd., Mortimer Street, London, W.

THE INTERCHANGEABLE SIGN, figured and described this week by Samuel Haskins & Bros., Ltd., 20-34 Old Street, London, E.C., can be bought by retailers for 30s.

"CUTOLAV" is the name of a new medicated soap made by Price's, Battersea, London, S.W. It is attractive and effective, and at 7½d. a tablet leaves a good profit to the retailer.

GELATINES are among the products that Great Britain has, since the beginning of the war, developed well. The "Albion" brand is offered in several forms by Oury, Millar & Co., 9 Mincing Lane, London, E.C.

"LUNOX" is the name of a luminous radium compound to be used as a varnish for making objects luminous. It is worth the attention of retail chemists, who can obtain it from S. S. Speyer & Co., 18 Hatton Garden, E.C.

"STANDARD" RETAIL PRICE-LIST.—Mr. Charles Philip, 23 High Street, Herne Bay, has published the October number of this list, which is specially devoted to war-affected drugs. It contains, in addition to galenicals, lists of packed goods, compressed tablets, lozenges, "Tabloid" products, empty bottles, and disinfectants.

GAS-FIRES have at no time been more beneficial, economical, and welcome than they are now. This applies as much to shops as to rooms, and we suggest to our readers that they should write to the Secretary of the British Commercial Gas Association, 47 Victoria Street, London, S.W., for literature on the subject.

FORMAMINT LABELS.—Thomas Waide & Sons, chemists' printers, Kirkstall Road, Leeds, inform us that they were the printers of Formamint labels for Wulffing & Co., and are therefore able to supply chemists with labels of exactly

the same design. These are produced from stock, and chemists can have their own name printed at the foot of them. The recent Order by the President of the Board of Trade respecting Formamint enables Messrs. Waide to supply, and chemists to use, these labels.

"KEPLER" WITH CREOSOTE.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., have issued a new variety of Kepler cod-liver oil with malt extract, containing four minims of creosote in each ounce. The combination has the distinctive flavour of the medicament, and a warm but not unpleasant taste, which should make it appreciated by physicians who have hitherto experienced a difficulty in prescribing creosote in a palatable form. The dose of the combination is a teaspoonful to a table-spoonful.

THE LONDON CHEMICAL WORKS, LTD., Southall, inform us that in spite of the extensive damage done to their works by the recent fire (*C. & D.*, October 14, p. 36) their output of salicylic acid and salicylates is now just as it was at the time of the outbreak, both as regards quantity and quality. The manager (Mr. Ralph Pugh) states that much additional machinery which the company had ordered arrived two days after the fire. This was a great assistance, and the spirited co-operation of the company's employés did the rest, to use a familiar phrase.

"BIPP" WOUND-DRESSING.—This dressing, recommended by Mr. Rutherford Morison and referred to in the *C. & D.*, August 19, p. 48, is manufactured by Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., and put up in collapsible tubes containing 2 oz. and jars of 1 lb. The wound is cleansed with carbolic solution and spirit, filled with "Bipp," and covered with sterile gauze held in position by sticking-plaster. This dressing need not be changed for some time unless there is pain or other symptom showing that the wound is not progressing.

A FRAME-FOOD SHOWCARD, measuring 13 in. high by 6 in. wide, is supplied to retailers by the Frame Food Co., Standen Road, Southfields, London, S.W. It is prettily printed in colours, and is made to stand by itself. It is attractive because it is a pretty picture, and customers like it, this being exactly what retailers want, because it is next door to selling Frame Food. That is because the picture has a speaking character about it, and the happy baby is a sublime index to the value of the box that he stands on.

"BEFORE WE CLOSE AT" are the words which stand over the picture of a clock with moving hands that is supplied free by the Veno Drug Co., Ltd., Veno Buildings, Chester Road, Manchester, to retailers of Dr. Cassell's tablets. The card is appropriate to the Home Secretary's Earlier-closing Order, and measures 10½ by 7½ in. Chemists who want to know how good a thing it is for them should send to the company for one.

BRITISH ATROPINE.—It is nearly a year ago since we called attention to the fact that Burroughs Wellcome & Co. had produced at their Dartford factory considerable supplies of atropine and its salts. This was done at the request of the Government, imports having failed, and the Government obtained the alkaloid made in the first instance, but Burroughs Wellcome & Co. soon had a considerable quantity available to supply to hospitals and dispensing chemists. The firm have completed arrangements for a regular supply of Egyptian henbane, and are producing the alkaloid in large quantities at Dartford, so that they can give dispensing chemists and hospitals the surety of regular supplies of atropine and atropine sulphate in 60-gr. bottles as well as in 1-oz. bottles at prices which buyers can obtain from them on application, and which show a great reduction upon prices that prevailed a year ago. This is one more demonstration that we can get along in the fine-chemical industry by ourselves.

SALICYLIC ACID and its compounds are now being made in Moscow.

TAYLORS' DRUG CO., LTD., have opened a new branch in Tempest Road, Beeston Hill, Leeds. The interior of their branch at 72 Low Street, Keighley, has been completely refitted, and the shop is now one of the leading pharmacies in the town.



Observations and Reflections.

By Xrayser II.

The Cocaine Regulations.

Like a good few other things in Parliament, have developed, in so far as the unregistered dentist is concerned, into a first-class muddle. The number of times that alterations have been made in the date beyond which solutions containing more than 0.1 per cent. of cocaine cannot legally be bought or employed by unregistered dentists is now quite considerable, and it almost looks as if the whole affair will end in a general permission being granted to all tooth-extractors to use solutions containing less than 1 per cent. And why should they not? The registration of all sales of cocaine is a sufficient safeguard against the illegitimate use of the drug, and if it is made clear that no one except a qualified pharmacist will be allowed to sell it by retail, I cannot see what possible harm can result from the distribution to dental practitioners of such solutions as are so much used for local anæsthetic purposes. Cocaine in this form does not lend itself to illegal practices, even should sales be made to the general public, and, of course, they would not be.

The Application of the Sale of Food and Drugs Acts

to N.H.I.

dispensing may be right in principle, but in practice it is possible that difficulties may arise and serious injustice be done. The division of a mixture with a heavy deposit into three parts (as required by the Act), each containing exactly the same quantity of the heavy ingredients, is almost impossible, and the uncertain capacity of the bottle of commerce will be another source of variation in the strength of the mixture. A more serious objection is the fact that these test prescriptions can only, so far as appears, be got by connivance of the doctor with the police. They will be bogus prescriptions for bogus patients; and unless the doctor is to be allowed no option as to writing them (which is unthinkable) the arrangement will be open to very great abuse: professional jealousy and private spite, or mere whim or prejudice, may actuate a doctor no less than an ordinary mortal. In any case this setting of traps, whether at the instance of the police or of his own motion, is a condescension to "vile uses" unbecoming in a professional man.

Federation

seems to offer us as feasible a scheme of organisation as we could desire, but to be effective it must be complete, and the process of completion for the whole country will, judging by present indications, be such a long one that no time must be lost if we are to be fully organised for our struggle with the Insurance Commissioners before our new contracts expire. The example of Lancashire ought to be followed everywhere without delay, and when these district Federations embrace all England, they in turn should form a Federation of Federations, consisting, say, of one member from each, which should act as the trade-council of the whole country. This treble distillate of pharmaceutical politics would not necessarily be antagonistic to the Pharmaceutical Society, but it might happily supersede the so-called Executive Committee. The Society would thus be relieved of an excrescence that has weakened it in the estimation of the trade, and would be free to exercise without distraction its statutory function. I venture to think that our purely trade-interests would not suffer. The Society would find it necessary to make friends with such an organisation, which would, however, have to be kept on an entirely independent footing. This being assured, there is no reason why the Federation and the Society should not work amicably together, to the great advantage of both and the general good of the trade.

The Use of Diachylon

as an abortifacient, which has recently grown to an alarming extent, is the subject of a strong article in last week's "New Statesman." The demand is there made for its inclusion in the poisons

schedule, a step which most pharmacists would welcome. As it is recommended by the National Birth-rate Commission (as you have reported frequently), we may expect it to become soon an accomplished fact, but meantime all respectable chemists will do their utmost to stop the abuse. Ignorance of the purpose for which the stuff is wanted can no longer be pleaded. The writer of the article referred to falls into a not unnatural error when he says that the name diachylon was at first given to "a totally different preparation of multiple vegetable origin." It is true that the name means "composed of juices," and that diachylon was compounded with vegetable juices, but so far as is known the very earliest formula contained, in addition to these, litharge as its most important ingredient. This dates from Menecrates, physician to the Emperor Tiberius. Mesue retained the litharge in his *Diachylon magnum*, and it was retained in four of the five diachylons in our early Pharmacopœias. The exception was the *Diachylon compositum*, sive *Emplastrum à Mucilaginis* (ascribed to Mesue); this, however, was usually known by the latter appellation, which eventually became its official name till it was dropped in 1788. This is the only plaster to which the name plaster of the mucilages was officially given. In 1746 our *Diachylon simplex* became *Emplastrum commune*, in 1788 *Emplastrum Lithargyri*, in 1809 *Emplastrum Plumbi*.

The Folk-lore Exhibition

at the Wellcome Museum, though of great interest, is not a very large collection, and is on loan only. As these superstitions are to a very great extent survivals of once generally accepted beliefs, and as such throw much light on the history of medicine, a permanent exhibition of the kind would be a valuable addition to the museum; but it would be much larger than this temporary one if, as is desirable, it were representative of the whole country. London alone is not, after all, a very rich field for the folk-lore, but there are few country pharmacists, I believe, who could not contribute some item of interest to such a collection. To name only a few of the disorders which are not referred to at all by anything in the loan collection, such as measles, thrush, hydrophobia, epilepsy, sciatica, toothache, goitre, warts, corns, sty in the eye, earache, headache, whooping-cough, ringworm, ague, bleeding at the nose (a very miscellaneous lot, but the most obvious things that occur to me), we have most of us heard of or even met with strange "cures" that would come appropriately under the head of popular superstitions. Some of them could not be illustrated by exhibits, but there are many that could, and though most of them may be familiar enough in books, yet others are not, and they would all gain in historical value if brought together for exhibition. The present is not a very favourable time for organising an effort of this kind, but individual pharmacists whose tastes incline in this direction would, with pleasure to themselves, serve a useful purpose by quietly gathering material for use when happier times arrive.

Information Department.

INFORMATION WANTED.

- | | |
|---|---|
| 118/45. Toilet-rolls (grey wrappers printed in black ink and worded "Pine Fibre Toilet Paper"): makers. | 108/41. Davies' triple-spring arch-support. |
| 118/48. Bewy's pile remedy. | 110/48. "Shenoco." |
| | 115/17. Lex Sapon (liquid soap for munition workers). |
| | 117/48. "O" indigestion-tablets. |

INFORMATION SUPPLIED.

- | | |
|--|---|
| "Aleresta" tablets, 112/56 | "Hyeol," 101/16 |
| Ambrene, 110/49 | Japanese feeding-bottle teats, 64/68 |
| Amidopyrin, 109/24 | Mallcock Armstrong ear-defender, 107/60 |
| Buxton's inhaler, 111/38 | "Nazene bath," 111/38 |
| Collapsible-tube filling machinery, 110/51 | Ointment-mills, 110/16 |
| Digitoline Native, 101/20 | "Polyglandin," 111/8 |
| Dutch drops, 107/25 | Sieves, 108/69 |
| Electro socks, 83/55 | Vapour-bath cabinets, 92/39 |
| "Glycogene," 110/46 | |



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- "Sanitas Sypoi" (Improved Lyeol),
- "Sanitas Sulphur Candles,"
- "Sanitas Formic Sulphugators,"
- "Sanitas Formitas Outfits,"
- "Sanitas Formigators,"
- "Sanitas Drain Testers,"
- "Sanitas Polishes,"
- "Sanitas Distemper," for walls.
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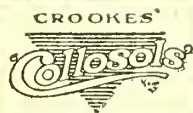
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Editorial Articles.

Insurance Dispensing.

OUR inquiries in regard to the voting by dispensing chemists on the Executive Committee's three questions bring us the information that service for 1917 will be accepted with some dissentients. It is of importance to note that the Executive Committee's action has also been the means of bringing out more clearly than it has ever been done before the strength of the dissatisfaction among dispensing chemists in regard to the way that the matter has been worked and they have been treated by the Executive Committee of the Pharmaceutical Society. This feeling exists among most loyal supporters of the Society; it is a feeling directed to Bloomsbury Square, for there is nothing but praise in regard to the Scottish settlement and the better terms obtained for dispensing chemists in the North. There is a strong opinion that the dispensing business of chemists in England and Wales should be, and can be, managed as firmly and well. It will be noted that the Pharmaceutical Council is considering what it should do in regard to its checking bureau, which has not paid. Is it possible for the Society to drop that scheme and concentrate upon the principles and terms for dispensing? The time is appropriate, for the year is closing with the Society in the shade as regards Insurance dispensing terms, and a common and general feeling is that we have been right in our comments and criticism to which, necessarily and unavoidably, the Society was subject.

Goods Labelled "Swiss."

WE have recently referred to the fact that certain enemy firms in the chemical-trade, in order to ensure the sale of their goods, have established branches in Switzerland, giving them a title in which the name "Swiss" appears. The object is of course to solicit British business under the guise of neutral commerce. It now appears that the effect of this has been to cause goods labelled "Swiss" to be suspect, and this has necessitated action on the part of the Swiss Federal Council, which has been requested by the Political Department, conjointly with the Department of Justice and Police, to make use of its powers to promulgate an Order, of which the chief provisions are as follows:

(1) The prohibition of all foreign business firms, whether private or otherwise, and of all branches of foreign firms, from using in their trade-names the words "Swiss" or

"Federal," or the names of Swiss cantons or districts. (2) The examination, in doubtful cases, by the respective Chambers of Commerce, of joint-stock companies and co-operative societies, with a view to determining the extent of their claim to be Swiss. (3) The names, nationality, and domicile of all members of the executive committees of joint-stock companies to be published. (4) The proprietors of a business house to incorporate their names in giving a title to their firm.

These provisions are drastic, and should go far in "placing" firms who have taken up their abode in Switzerland since the war. We would again suggest that the British Foreign Office compile a list of enemy firms in Switzerland.

Earlier Closing of Shops.

OWING to the interposition of the House of Commons the Home Secretary on October 27 changed the earlier closing-hour on Monday, Tuesday, Wednesday, and Thursday from 7 p.m. to 8 p.m. (see p. 44). That is also the hour for Friday, but if the early-closing day is on one of these or on Saturday, the Shops Act hour must be followed. It is 1 p.m., the half-holiday to assistants beginning not later than 1.30 p.m. The Home Secretary and the Secretary for Scotland publicly notified last Saturday changes in the previous order (*C. & D.*, October 28, p. 38) as follows:

(1) Fixing 8 p.m. as the closing-hour on every day of the week other than Saturday or the day of the weekly half-holiday.

(2) Extending the exemption for meals consumed on the premises to include any refreshments consumed on the premises and tobacco supplied at a meal for immediate consumption.

(3) Adding an exemption for the sale of motor or cycle supplies or accessories for immediate use, so long as the shop is kept open and lighted only for such time as is necessary for serving the customer.

The change does not seem to have pleased chemists and druggists, as reports in this issue show. The Pharmaceutical Society was severely criticised at a meeting in the Holborn Restaurant (Mr. Neathercoat speaking) on October 26, the *gravamen* of the complaint being that the Society did not come to some arrangement whereby panel practitioners would have linked up with dispensing chemists so as to hasten the closing of chemists' shops. Many chemists want to get done with business and shut their shops as the Home Secretary desires, and there is a feeling about that panel practitioners who supply their patients with medicine may work Mr. Samuel's order so as to keep their patients away from chemists, they supplying the physic. We may explain that doctors cannot properly do this under the Insurance Act, but it may have to be prevented, and we think it the duty of the Society to watch the matter. Dispensing chemists clearly understand, we trust, that they may supply medicines at any time, and if their shops are closed they may open them for the purpose. Difficulties are bound to arise, but to men who desire and try to conform with the law these should not grow in bulk, but diminish. As to Sunday business, we may point out that the Shops Act does not apply, and Sunday is a *dies non*, but chemists, like all other shopkeepers, are subject to the Sunday Observance Act, 1677, which is still operative. From its penal provisions "works of necessity and charity" are exempt. We may also remind chemists that if they carry on Sunday business it would be wise not to exceed the week-day hours, for if they keep their shops open in a way hazardous to the community and helpful to the enemy the police can use other means of shutting their shops and punishing offenders.

Weights and Measures.

NUMEROUS *post-bellum* problems in connection with business matters are being considered by various organisations throughout this country—for example, the general policy of the chemical and allied industries on practical questions arising during and after the war is having the attention of the Chemical Trade Section of the London Chamber of Commerce, and a meeting about it

is reported on pp. 34-35. So far we have not seen any reference to the necessity for the chemical and drug trades of this country giving special attention to the conditions upon which they will sell goods to foreign countries—for example, in France the metric system of weights and measures is solely used in buying and selling chemicals and drugs. The same also applies to our other Allies; even Russia, which like ourselves does not make the metric system compulsory, buys very largely on metric conditions. This will have to be thought out and a proper system arranged for. In this connection it is interesting to recall that up to 1897 it was illegal to use metric weights and measures in this country for trade-purposes. A few years before that, when Mr. Charles Umney was Secretary of the Drug Club, he moved in the matter, in consequence of trouble which Mr. Francis Yates (Davy, Yates & Co.) experienced, he having been challenged by the City inspector of weights and measures for weighing in the Davy-Yates warehouse a hundred half-kilos. of calomel instead of, as the inspector thought he ought to do, a hundred 1 lb. Davy, Yates & Co. had at the time an order from South America, and the inspector's interference in regard to the metric weights sufficed to demonstrate that it was illegal to use them for trade-purposes. So Mr. Charles Umney went to work, and the House of Commons appointed a Select Committee to look into the subject, with Sir Henry Roscoe as Chairman. It began to hear evidence in March 1895, and the witnesses included Mr. Charles Umney, Mr. Francis Yates, and Mr. Michael Carteighe, President of the Pharmaceutical Society, who were deputed by a Committee that was got up to look after the interests of the chemical and drug trades. Few of the witnesses were sanguine about the metric system being voluntarily adopted in this country, even for international trading; indeed, Mr. Umney, when asked by Sir Henry Roscoe how long he thought British traders would delay before adopting the system, replied that it would be "a generation or thereabouts." It is twenty-one years since Mr. Umney said this, so it is not surprising that we should now urge that all wholesale houses who have export business should be prepared to quote and supply in metric terms when the war is over as some of them do now. They have every right to do so, for the Weights and Measures (Metric System) Act, passed in 1897 as the result of Sir Henry Roscoe's inquiry, permits them to use metric weights and measures, and not the British equivalents which alone could legally be used in trade until that Act was passed. Mr. Umney still takes a keen interest in the matter, and knows how much the export trade of the country would benefit if its sections were all to *sell* in the manner that foreign houses want to *buy*. The Germans were on that footing because the metric system is what they follow, and British traders can do the same for export business. Since the foregoing was written we have received information from the U.S. Department of Agriculture, which makes the following new regulation heading in place of an old one:

Statements of weight shall be in terms of avoirdupois pounds and ounces; statements of liquid measure shall be in terms of the United States gallon of 231 cubic inches and its customary subdivisions—i.e., in gallons, quarts, pints, or fluid ounces—and shall express the volume of the liquid at 68° F. (20° C.); and statements of dry measure shall be in terms of the United States standard bushel of 2,150.42 cubic inches and its customary subdivisions—i.e., in bushels, pecks, quarts, or pints—or, in the case of articles in barrels, in terms of the United States standard barrel and its lawful subdivisions—i.e., third, half, or three-quarters barrel, as fixed by the Act of March 4, 1915 (38 Stat., 1186): Provided, that statements of quantity may be in terms of metric weight or measure. Statements of metric weight should be in terms of kilograms or grams. Statements of metric measure should be in terms of liters or centiliters. Other terms of metric weight or measure may be used if it appears that a definite trade custom exists for marking articles with such other terms and the articles are marked in accordance with the custom.

This is in respect to foods, but otherwise the United States is equal with us in this trading provision.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," October 18, 1916.)

- Circular device, with words "AXIN ANTISEPTIC TABLET"; for throat-tablets (3). By M. B. Bloom, 19 Golders Green Crescent, N.W. 374,485. (Associated.)
- "DIARSENOL"; for drugs (3). By The Synthetic Drug Co., 243 College Street, Toronto. 374,611.
- "SAMONA"; for ointments (3). By E. Boughton, 5 Buller Road, Thornton Heath. 374,813.
- "THE SEAL," with picture of same; for perfumery, etc. (48). By Lever Bros., Ltd., Port Sunlight. 373,747. (Associated.)
- "NIGHT OF JUNE," for perfumery, etc. (48); "GARDEN OF KAMA," for tooth-paste, etc. (48). By The Standard Tablet and Pill Co., Ltd., Hove. 373,990. (Associated.) 374,486.
- Floral device of children's heads; for perfumery, etc. (48). By Blondeau et Cie., Ltd., 37/38 Upper Thames Street, E.C. 374,086.
- "LINTINE"; for non-medicated toilet-preparations (48). By H. J. Linton, 23 Adam Street, Portman Square, W. 374,431. (Associated.)
- "MERRY MONK," with circular picture of same; for shaving-brushes (50). By E. Pilkington, 2 and 4 Dorset Street, Stretford. 374,073.

(From the "Trade-marks Journal," October 25, 1916.)

- "BUFFER"; for an anti-corrosive (1). By The Standardised Disinfectants Co., Ltd., 26 Billiter Buildings, E.C. 374,160.
- "FERROMASTIC"; for chemicals (1). By R. Rhodes & Co., Stockport. 374,670.
- "OSTICO"; for compositions for grease-banding fruit-trees (2). By McDougall Bros., Ltd., Manchester. 374,256.
- "GELOFORM"; for antiseptics, etc. (2). By the U.K. Chemical Products, Ltd., Imperial House, Kingsway, W.C. 374,563.
- "OXYDOIN"; for medicinal chemicals (3). By New Oxydol Products, Ltd., 23 Fitzroy Square, London, W. 374,745. (Associated.)
- "NEWMAT"; for baby soothers (11). By Hasting, Lang & Co., Ltd., 1 Roman Street, Manchester. 374,787.
- Two-headed spear device for chewing-gum (42). By Wrigley's, Ltd., 8 Lambeth Palace Road, S.E. 372,635. (Associated.)
- "CENTURY"; for baking-powder (42). By A. Bird & Sons, Ltd., Deritend, Birmingham. 373,759. (Associated.)
- "NAP"; for all goods (44). By Lawson's Mineral Waters, Ltd., 23 Anslow Street, Manchester. 372,565. (Associated.)

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

QUALITATIVE ANALYSIS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopoeia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, not a stamp merely) will be received up to Tuesday, November 7, on which day the samples will be posted. Students' reports will be received up to Saturday, November 18. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture. The analysis announced above forms the opening exercise in

THE ANALYTICAL TOURNAMENT

for the current winter session. Students may forward six stamped addressed envelopes (marked on the top "Corner for Students"), to be utilised month by month for the "salts." We offer special certificates and prizes for the best series of reports submitted on the exercises to be set from November 1916 to April 1917 inclusive. The awards will be made to the students who obtain the highest aggregates of marks for their reports upon the whole six exercises, and will comprise:

First Prize.—Certificate of honour and books to the value of two guineas.

Second Prize.—Certificate of honour and books to the value of one guinea.

Third Prize.—Certificate of honour and books to the value of half a guinea.

The competition is open to all pharmacy students who have not passed the Major examination in Great Britain or the Licence examination in Ireland. Former tournament prize-winners are disqualified from taking a tournament prize, unless it be a superior one to that previously gained. Besides the tournament prizes, the usual monthly awards will be made.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

MANUFACTURE OF PICRIC ACID.

The Home Secretary informed Mr. Ellis Davies, M.P., on October 31 that the only diseases normally attributable to processes in the manufacture of, or involving the use of, picric acid are dermatitis and poisoning by nitrous fumes. Both are scheduled under the Workmen's Compensation Act.

THE COCAINE INQUIRY.

The Home Secretary announced on Thursday afternoon that the inquiry will take the form of a Departmental Committee consisting partly of members of the House and of other persons especially qualified, with no power on the one side or the other. A member of the House will act as Chairman. It was not contemplated that any member of the Home Office will be on the Committee.

BRITISH CHEMICAL-MANUFACTURERS.

In the House of Commons on November 2, Sir William Pearce, M.P., asked the Minister of Munitions whether he has received any communication from the Association of British Chemical-manufacturers regarding the Order in Council of September 7, and whether he is able to give assurances as to proper safeguards for the rights of inventors and owners of secret chemical processes. Dr. Addison said he had received such a communication, and is in consultation with the Admiralty and the War Office. Arrangements are being made to safeguard the rights of exemptors and owners of secret chemical processes.

THE "ANZAC" TRADE-MARK.

Mr. Pretymann presented on October 25 a Bill to prohibit the use of the word "Anzac" in connection with any trade, business, calling, or profession. Clause 1 declares that from the commencement of the Act

it shall not be lawful to use in connection with any trade, business, calling, or profession the word "Anzac," or any word closely resembling that word, without the authority of a Secretary of State, and this prohibition shall apply notwithstanding that such word forms part of any trade-mark, or of the name of any company or society or other body, which has been registered before the passing of this Act.

The Bill makes every director, manager, secretary, or other officer of a company or society liable for offences committed by such company or society.

SHOPS' EARLIER CLOSING.

In the House of Commons on Thursday, October 27, Captain Barnett, member for St. Paneras, W., put a question in regard to the proposed closing-hour, 7 p.m., the Home Secretary (Mr. Herbert Samuel) replying, and Mr. Yeo (Poplar) and Mr. Brookes (Mile End) also put questions, one result being that Captain Barnett obtained permission later to raise the whole question by a motion for the adjournment of the House, which he did, arguing that if they extended the time to eight o'clock they would not strike so vital a blow at the small shopkeeper. Mr. Chancellor (Haggerston) was of the same opinion, and similar views were also expressed by Mr. Shirley Benn (Plymouth), Mr. R. McNeill (St. Augustine's, Kent), Mr. W. Thorne (West Ham), Mr. J. W. Wilson (Worcestershire), Mr. Stanton (Merthyr Tydvil), Mr. Yeo, Mr. W. S. Glyn-Jones (Stepney), Mr. J. D. Gilbert (Newington), Mr. Molteno (Dumfriesshire), and Colonel Yate (Melton); the result being that the Home Secretary gave way, and stated that an order would be issued on the following day, acceding to the request that the closing-hour should be 8 p.m. instead of 7 p.m. on five days of the week, and nine o'clock on Saturdays. This was stated at the end of a speech in which he justified the previous selection of 7 p.m. Sir H. Dalziel (Kirkcaldy) thanked the Home Secretary for the concession. Captain Barnett also thanked the Home Secretary, and withdrew his motion for the adjournment.

SYNTHETIC INDIGO.

Sir H. Dalziel is trying to get at the bottom of the mystery regarding the transfer of the German chemical-works at Ellesmere Port to Levinstein, Ltd. On November 1 he asked the President of the Board of Trade why the Castner-Kellner Alkali Co. did not tender, and Mr. Runciman replied that they were invited to submit evidence of their ability to manufacture synthetic indigo if they desired to tender, but decided not to do so. He had no knowledge of any arrangements between the company and Levinstein, Ltd., for the supply of phenyl-cyelin. The scientific experts who advised the Board of Trade on the evidence of ability to manufacture were Sir W. A. Tilden, F.R.S., and Professor W. J. Pope, F.R.S.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Scottish Insurance Committees.

The annual Conference of the Scottish Association of Insurance Committees was held in the Town Hall, Aberdeen, on October 27 and 28. There was an attendance of nearly 150, and among the guests were Dr. J. F. Tocher and Mr. J. Rutherford Hill. The company was welcomed by Lord Provost Taggart, and on the Friday evening he and other representatives of the Town Council received the members at a conversazione in the Art Gallery. The retiring President of the Association (Colonel R. D. McEwan) presided at the opening meeting on Friday until his successor (Provost Anderson, Newburgh, Chairman of the Pife Insurance Committee) was appointed. One of the most interesting items from the pharmaceutical point of view was a report by the Drug Accounts Committee presented by Mr. Johnston (Lochwinnoch). In the course of this Mr. Johnston told of the work done in the Pricing Bureau, Glasgow, since it was opened on April 26, 1915. The Bureau has priced three and a-half million prescriptions and issued thirty-five thousand chemists' accounts, amounting to over 140,000*l*. The average cost per prescription in Scotland during the first half of this year was 10.43*d*., compared with 9.74*d*. in 1915. The small increase was attributed to constant insistence on economy and the prompt action of the Bureau in safeguarding the Drug Fund. Detailed statistical statements have been sent to every panel practitioner in Scotland so that he may be kept informed regarding the value of his prescriptions, the average cost per person, and the frequency of prescribing. The value of this practice was commended. The report also dealt with irregularities in prescriptions, the advantage of the uniform price-list, the emergency list of drugs and appliances for the use of individual practitioners, the decrease in the prescribing of proprietary articles, and repeat prescriptions, which are disallowed in Ayr, Dundee, Edinburgh, Falkirk, Glasgow, Hamilton, Inverness, Kirkcaldy, Leith, Perth, and Stirling Burghs, as well as in Aberdeen, Argyll, Ayr, Bute, Fife, Forfar, and Lanark counties, while in others there is restriction. The Committee have agreed to the request of the Scottish Insurance Commissioners to investigate and furnish a report of providing drugs under the existing Scottish Tariff compared with the cost which would result from the substitution of (1) the Tariff recommended by the Departmental Committee, or (2) the suggested Scottish scale of dispensing charges put forward by the Pharmaceutical Standing Committee (Scotland). This investigation is to be conducted by the Central Checking Bureau at the Commissioners' expense, as the latter desire to inaugurate the investigation without delay in order that the whole situation may be thoroughly examined in its various aspects so as to enable negotiations for an adjustment of the Tariff to be opened whenever a suitable opportunity emerges. In the course of their letter to the Committee the Commissioners stated:

The Commissioners much appreciate the good work of the Bureau, the results of which are evidenced in the reports on the various Insurance Committee areas. The results of the administration following on and rendered possible by the Drug Accounts Committee's reports have eased the financial position in Scotland, while obviating injustice to insured persons or chemists. The Commissioners regard it as a tribute to the ability and tact with which the Drug Accounts Committee and staff have dealt with the position that the criticisms which have been brought to their notice have, on investigation, proved to be either ill-informed or merely captious, and as such unavoidable. The fact that the Commissioners are in a position to seek the assistance and co-operation of the Committee in a matter of this kind is an additional indication of the value of the Bureau in connection with the administration of Medical Benefit.

This report created considerable interest, and Mr. A. M. Craig (Aberdeen Burgh), in the course of a discussion, said that as the Bureau was created by the Commissioners, nothing but praise for it was to be looked for. Aberdeen fell in with the arrangement, and are now paying 200*l*. for what they did quite as well themselves for 110*l*. or 115*l*.

The day following Dr. McVail, Vice-Chairman of the Scottish Insurance Commissioners, gave an address, which dealt chiefly with Sanatorium Benefit. He was followed by Dr. Matthew Hay, M.O.H., Aberdeen, who spoke on State health and medical service, part of this following up Dr. McVail's remarks, and forming the basis of an interesting discussion. Mrs. Ogilvie Gordon, B.Sc., being one of the principal speakers. There was considerable

difference of opinion, and the matter was referred to the Executive Committee. It was agreed to hold the next Conference in Perth in October 1917.

Reports from Local Centres.

ENGLAND.

Derby.—Mr. C. E. A. Goode addressed a meeting of chemists in the Athenaeum on October 25 in regard to 1917 dispensing-terms—"far from satisfactory," said he and the meeting, but three guineas was subscribed to the Benevolent Fund.

Essex.—A meeting of the Insurance Committee was held on October 31 at River Plate House, Finsbury Circus, London, E.C. The Finance Sub-Committee reported that in accordance with the authority given to them by the Committee, they had ordered payments to chemists of sums amounting to 4,525*l*. 7*s*. 11*d*., being the balance due in final settlement of their claims for the supply of drugs in the years 1914 and 1915. For the year 1915 the amount available out of the Drug Fund for the final settlement of the chemists' claims enabled the Committee to pay 94.55 per cent. of the total. An additional sum of 36*l*. 0*s*. 16*d*. was distributed among the chemists in consequence of the Commissioners having transferred an amount accruing to the Drug Fund in respect of medicines supplied to temporary residents in 1914. Southend chemists sharing in the distribution. Mr. S. H. Payne, in moving the adoption of the report of the Sub-Committee, said that they had cleared all the arrears for 1914 and for 1915, with the exception of the payments to the doctors and chemists for temporary residents. In reply to a member, Mr. Payne said that the Commissioners recommended a temporary settlement with the chemists, and all but three in Essex had accepted the proposal. The result was that instead of their receiving the sum of 107*l*. 6*s*. 6*d*., they only were paid 9*l*. 10*s*. 6*d*. The report of the Committee was adopted. The Medical Benefit Sub-Committee reported that the Panel Committee on September 15 gave notice that they had selected ten mixtures from the Central List. Mr. C. E. A. Goode said that the Pharmaceutical Committee felt strongly on the introduction of stock mixtures. He was present at the meeting with the British Medical Association when the matter was fully gone into, and the pharmacists then repudiated any responsibility for the employment of stock mixtures. To make the matter clear, the Pharmaceutical Society would not lend any helping hand for their introduction, and he thought it would be best for the Panel Committee to have given the formulæ a little longer run before they introduced them. The report was adopted.

Portsmouth.—At a meeting of the Insurance Committee on October 26, the Commissioners' letter was read regarding the increased allowance to chemists for establishment charge. A letter which Mr. W. T. Gorfett wrote on this matter to the local Press was referred by the Chairman of the Finance Sub-Committee, who explained the principles upon which the payments to chemists are made. He mentioned that certain chemists object to the deduction which is made from their accounts at the request of the Pharmaceutical Committee. Any balance of this money, he was informed, would be returned *pro rata* to chemists. Mr. W. R. Atterbury, on behalf of the local Association, disclaimed any connection with Mr. Gorfett's views. The Pricing Committee reported that the average cost per script for the August prescriptions (8,479) was 5.97*d*..—An evening newspaper informed its readers that chemists were to receive a war bonus of 3*d*. per prescription, which, added to 8*d*. now paid, would bring the total to 1*s*. 1*d*. (?). Several correspondents in reply promptly furnished the missing decimal point.

Sheffield.—A meeting of the Insurance Committee was held on November 1, when the Clerk announced that a letter had been received from the Commissioners granting to chemists an additional 0.3*d*. per prescription as an act of grace. Payments were ordered to be made to chemists for August and September, and a payment of 127*l*. 10*s*. on account to the Midland Pricing Bureau. No payment for the balance of the 20 per cent. still owing to chemists for 1915 was recorded at this meeting. Some over-payments were made to certain chemists for 1914, and the instructions of the Commissioners are to be obtained before the amounts for payment to each chemist can be arrived at.

WALES.

Cardiff.—A meeting of panel chemists was held on October 24, Mr. A. Hagon (Chairman of the Pharmaceutical Committee) presiding. Mr. Joseph explained the new terms for Insurance dispensing, and it was decided to accept these for the present, on patriotic grounds. The

Secretary of the Pharmaceutical Committee submitted an interim report of the work done during 1916.

Notes.

DOCTORS' AGREEMENTS.—The Conference of Local Medical and Panel Committees, arranged by the British Medical Association, was held at the Connaught Rooms, London, W.C., on October 19, and an uncompleted report of it, covering about ten pages of the "British Medical Journal," was published as a supplement last week. The 1917 agreement according to the new regulations was adopted. There is very little about the drug-business in the report, but Dr. F. Coke (Kent) expressed some concern about the floating sixpence, and the Chairman (Dr. J. A. Macdonald) explained the position. Remarks were also made by Dr. McCrea (Glamorgan), Dr. Brackenbury, Dr. Forbes (Sheffield), and others, who discussed the position generally. The Chairman stated that the figures showed that a large amount of excessive prescribing had occurred. Sir Robert Morant and Mr. J. Smith Whitaker, Insurance Commissioners, attended, along with Mr. J. Anderson and Mr. S. P. Vivian. Mr. Anderson made a lengthy, explanatory, and informative speech, and answered many questions put by members, but none of these were directly concerned with Insurance dispensing. The meeting was practically agreed that a clearing-house for insured persons is needed, and the Chairman stated that the Commissioners are keen on setting up one after the war is over.

THE OCTOBER TARIFF of war-affected drugs which has been issued by the National Insurance Commissioners (England) embodies the following alterations: *Lower:* Acet. ipecac., 2s. 2d. lb.; acid. acetic., 9d. lb.; acid. acetic. glacial., 3s. lb.; acid. acetylval., 2s. 4d. oz.; acid. benzoic. (synthetic), 2s. 5d. oz.; acid. citric. pulv., 3s. 10d. lb.; acid. hydrobrom. dil., 3s. lb.; acid. tartaric., 3s. 6d. lb.; bals. peruv., 1s. 10d. oz.; caps. ol. santal., m10, 10.44d. per doz.; creosot. carb., 3s. 6d. oz.; ferri et pot. tart., 4s. 3d. lb.; ferri et quin. cit., 17s. 6d. lb.; mag. carb. lev., 10d. lb.; mag. carb. pond., 1s. 1d. lb.; methylsulphonal, 5s. 8d. oz.; ol. lini, 4s. 3d. gal.; phenazon., 4s. 9d. oz.; pot. permang., 9s. 6d. lb.; pulv. ipecac. co., 8s. lb.; salol, 1s. 9d. oz.; sennæ fol., 2s. 1d. lb.; tab. acid. acetylval., gr. v., 3.74d. per doz.; tab. salol., gr. v., 3.93d. per doz.; vin. ipecac., 2s. 4d. lb.; zinci valer., 3s. 2d. oz. *Higher:* Adeps benz., 1s. 6d. lb.; adeps præp., 1s. 4d. lb.; ammon. carb., 2s. 4d. lb.; barbitonum, 7s. 2d. oz.; benzamine lact., 8s. 6d. dr.; cambhora (flowers), 3s. 3d. lb.; caps. creosoti, mii., 1.68d. per doz.; caps. pil. ferri (Blaud), 1-pill strength 1.68d. per doz., 2-pill strength 1.80d. per doz.; caps. pil. ferri et arsen., 1.80d. per doz.; ext. filic. liq., 3s. oz.; ext. glycyrrh. liq., 3s. 10d. lb.; guaiacol. carb., 11s. oz.; inf. senegæ (ex conc.), 3s. 6d. lb.; ol. menth. pip. (redistilled), 16s. 6d. lb.; ol. olive (sublime), 10s. gal.; phenacetin., 9s. 6d. oz.; phenolphthalein., 10s. 6d. oz.; pot. brom., 9s. lb.; resorcinum, 9s. 6d. oz.; sulphonal, 3s. oz.; tab. acid. diethylbarb., gr. v., 12.12d. per doz.; tab. guaiacol. carb., gr. v., 18.48d. per doz.; tab. phenacetin., gr. v., 15.90d. per doz.; tab. phenac. co., 14.28d. per doz.; tab. phenolphthalein., gr. j. 4.32d. per doz., gr. ij. 7.53d. per doz.; tab. trinitrini, 1.05d. per doz.; tab. sulphonal, gr. v., 5.37d. per doz.; ung. gallæ c. opio, 5s. 9d. lb.; ung. hydrarg., 3s. 6d. lb.; ung. hydrarg. ammon., 2s. 4d. lb.; ung. hydrarg. iod. rub., 3s. 3d. lb.; ung. resinae, 1s. 9d. lb.; ung. staphisagrie, 2s. 3d. lb.

Associations' Winter Session.

Accrington.—A meeting of the Accrington Pharmacists' Association was held on October 26. Mr. J. S. Snell (President) in the chair. A report was given of the preliminary meeting of the Lancashire Federation of Chemists' Associations. The President explained the pricing and checking arrangements for Insurance prescriptions, and stated that the discount for 1915 would only be small. The doctors are to be asked to arrange earlier surgery hours.

Birmingham.—A well-attended meeting of Birmingham chemists was held at the Imperial Hotel on October 31 to consider the new Home Office Regulation for early closing. Mr. J. A. Radford occupied the chair, and those present approved of the new regulation. It was agreed that a card for window-exhibition be printed, and that Southall Bros. & Barclay, Ltd., be asked to undertake its distribution the charge to be 9d., and that any profits be sent to the Pharmaceutical Benevolent Fund.

Bournemouth.—A meeting of the Bournemouth Pharmaceutical Association was held recently. Mr. A. E. Lodder (President) in the chair. A minimum price-list

was adopted as a basis for local requirements. It was agreed to close at 7 p.m. each night except Saturday, when 9 p.m. was fixed. The Association is to have cards printed to this effect. Mr. Bilson introduced a "box" collection for the Benevolent Fund, and 31s. was contributed.

Doncaster.—A meeting of the Doncaster Association of Pharmacists was held on October 20. Mr. F. W. Playford in the chair. There were also present eleven members and Mr. Harry W. Stiles (Hon. Secretary). A resolution was adopted, accepting under protest the new terms for Insurance dispensing for 1917. The question of the supply to panel doctors of dressings in bulk was also discussed.

Dundee.—The annual meeting of the Dundee and East of Scotland Pharmaceutical Association was held in Mathers' Hotel on October 26. Mr. Charles Young was in the chair, and referred to the deaths of Mr. T. S. Peebles and Mr. J. B. Beattie, two of the members. Mr. Hunt (Treasurer) presented the financial report, which showed a balance in hand of 227., but only sixteen members had paid the annual subscription during the year. Officers were appointed as follows: President, Mr. James R. Milne; Vice-President, Mr. George J. Lindsay; Treasurer, Mr. Henry J. Hunt; Secretary, Mr. Jas. Robertson; and Committee as before. Mr. Milne, having taken the President's chair, returned thanks for the honour, and said the next business was the new Order on earlier closing, and gave some particulars as to what had been done. The matter was referred to the Committee, with instructions to have cards printed and to advertise closing-hours if necessary. The question of having a price-list was considered, and it was agreed to print one locally.

Edinburgh.—Mr. James Dick presided over a meeting of the District Trade Association, held at 36 York Place, on October 30. It was reported that local wholesale houses are prepared to meet chemists in the matter of drug prices to the extent that quarter-pound quantities of expensive or moderately priced drugs would be supplied at the pound rate, but they could not apply this concession to the cheaper-priced drug articles. Delegates were appointed to attend a meeting of the Merchants' Trade Defence Association to consider the alien enemies question. A discussion took place in regard to the earlier closing of shops order. A Committee of the Association advised the Home Secretary to word Clause 1 of the Regulation so as to ensure that "all lights except such as are specially permitted by the police" should be extinguished at the closing-hour, and that the medicines-exemption phrase should read "medicines or medical or surgical appliances required in the case of illness." This was acknowledged. The Chairman now said that 94 per cent. of local chemists had adopted 8 p.m. as the closing-time without the order. Mr. J. Muir moved, Mr. Glass seconded, and it was agreed to send a strong protest to the Home Secretary and the Secretary for Scotland against the unbusinesslike procedure of the Government in completely altering the terms of the closing order within practically a few hours of its coming into operation. The members discussed the whole matter with keen interest, and also spoke about the Sunday hours. Mr. Kelly then introduced a discussion on the Cocaine and Opium Regulations. Mr. Glass, Mr. Hall, and Mr. Rutherford Hill following him, the Chairman thanking Mr. Glass for his explanation of the details of the July 28 Order and Regulation. The Chairman then called attention to the Scottish Insurance Commissioners' agreement with chemists for Insurance dispensing in 1917, and, in reply to remarks by Mr. Muir, Mr. Rutherford Hill said he was correct in saying that the arrangements for universal adoption of the British Drug Houses' price-list as a basis of pricing for ex-Tariff drugs is technically not strictly a continuance of the *status quo*, but it is of considerable practical importance to extend the use of one price-list already unanimously accepted as the basis of Tariff prices to the pricing of all drugs included in the price-list. He indicated the advantages, and stated that the Pharmaceutical Standing Committee (Scotland) came to the conclusion that, broadly speaking, the British Drug Houses' price-list was the most satisfactory. Mr. Hill also touched on other points in the agreement—*e.g.*, the Sale of Food and Drugs Act provision—but the points were not controversial.

Ireland.—Mr. O'Lehane, Secretary of the Irish Drapers' Association, addressed a meeting of the Irish Chemists' Assistants' Association at the Grand Central Hall, Dublin, on Sunday afternoon, October 29, his subject being "The Advantages of Combination and the Benefits Accruing Therefrom." Mr. J. Hamill presided, and about 150 young men were present. The Chairman introduced the lecturer. He spoke about the need that chemists' assistants have at present to look after their own interests, and was followed by Mr. MacNamara, who described the rise and progress

of the Association. Speaking of the conditions of chemists' assistants, he said that these are better in Great Britain, and he instanced the Shops Act in proof of this, stating that simultaneous closing of pharmacies is not operative in Ireland, so that assistants do not get a general half-holiday as in England. He advocated better remuneration, also that the Pharmaceutical Society should make its classes more suitable as to time for assistants. Mr. O'Lehane then addressed the meeting. He dealt with the apprenticeship question, then spoke on hours of employment, remarking that the chemist apparently never closes his shop, and the public trades on this fact. He also dealt with remuneration, recommending an agitation for a war bonus, and limiting the time of employment to forty-eight hours weekly, with extra pay for Sunday duty and double pay for overtime. Mr. FitzGibbon, Limerick, who followed, stated that assistants there wanted to merge with Dublin. He was followed by Mr. Hogan, Mr. D'Arcy, Mr. Nash, and Mr. Batty, the last-named proposing a vote of thanks to the lecturer.

London.—Mr. A. H. Jenkin presided at the annual meeting of the London County Pharmaceutical Association, held at the Holborn Restaurant on Thursday afternoon, October 26. There was a large attendance. The annual report was adopted, and on the motion of Mr. Shirtliff, seconded by Mr. W. B. Trick, hearty thanks were accorded to Mr. Edmund White for his services as President of the Association. Mr. E. T. Neathercoat, Vice-President of the Pharmaceutical Society, then addressed the meeting on the negotiations which had taken place respecting the terms of Insurance dispensing for 1916 and 1917. This was discussed by Messrs. Ward, Greatrex, Atkins, Barrett, Breese, Wellesley Douglas, Kirkpatrick, and Turner. The meeting was unanimously of opinion that the remuneration is grossly inadequate, and that the use of "Rep. mist." and stock mixtures should not be allowed. Mr. Neathercoat replied, and the following resolution was then moved by Mr. Melhuish, seconded by Mr. Keall, and carried:

That although convinced that the remuneration for Insurance dispensing is inadequate for the professional skill required, this meeting of London pharmacists accepts the recommendation of the Executive to continue service on the panel for 1917 on the terms arranged with the Commissioners, but emphatically protests against the enforcement of "Rep. mist." and stock mixtures.

Mr. Neathercoat was thanked. A discussion on the early-closing order then contemplated (7 p.m.) followed, and it transpired that the majority were desirous of closing entirely at 8.30 p.m., giving a service for "urgent" prescriptions only after the official closing-hour. Mr. Melhuish explained what a conference with members of the Insurance and Panel Committees had done in the matter, and on the motion of Mr. Procter, seconded by Mr. Keith, the Executive was thanked. Resolutions regarding a minimum retail price-list, simultaneous discussions by the District Associations, approval of trade secretaries, and the desirability of obtaining better prices for advertised proprietary were also adopted.

[The meeting was exceptionally lively, and Mr. Neathercoat had to meet a lot of dissatisfaction about the manner in which the Insurance dispensing business had been worked, the general opinion being that something better must be done next year. See also p. 51.—EDITOR C. & D.]

Newport (Mon.).—A meeting of the Newport (Mon.) Pharmacists' Association was held on October 25, Mr. A. Gratte in the chair. Mr. Findlay (Secretary) read replies received from the Secretaries of other Associations in Monmouthshire and Glamorgan, in favour of the proposed Federation of Local Associations. The new Insurance dispensing terms were accepted. A resolution was adopted in favour of the inclusion of diachylon in Part I. of the Poison Schedule.

St. Helens.—Mr. Walter Kesterton presided at the annual meeting of the local Pharmacists' Association on October 24, when the annual report and balance-sheet were adopted, and the following officers were elected: *President*, Mr. J. Gould; *Vice-Presidents*, Mr. R. Mercer and Mr. J. Culshaw; *Secretary*, Mr. A. D. Fox, 181 Cambridge Road, St. Helens; *Treasurer*, Mr. J. R. Challener; *Social Committee*, Messrs. Breese, Jackson, and Challener. Mr. Kesterton was cordially thanked for his work as President.

Swansea.—A meeting of the Swansea and West Glamorgan Chemists' Association was held on October 26, Mr. Arnold, Cwmavon, presiding. The increased establishment-fee was accepted with a protest as to the inadequacy of the dispensing-fee. It was considered that doctors who dispense Insurance prescriptions should be subject to the Sale of Food and Drugs Act the same as chemists. The doctors are to be approached in regard to earlier surgery hours so that earlier closing of pharmacies may be promoted. The Exchange Bureau is to be revived

so that members of the Association may exchange special preparations and out-of-the-way patents.

Women Pharmacists.—The opening meeting for the season of the Association of Women Pharmacists was held on October 17, at Dr. Williams' Library, Gordon Square, W.C., Miss Buchanan in the chair. Miss Andrews read a letter from Miss Fordyce, a member of the Association at present on duty with a hospital unit in Russia. Mrs. Freke then made a report on the Conference of the National Union of Women Workers. This was followed by Miss Firth (from the "Young Age" Club), who gave an address on "The Aims and Ideals of the Club."

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

THE LATE CHARLES L. WATKINS, mineral-water manufacturer, Swansea, Glamorgan, left estate valued at 13,937l.

MR. E. A. PRATT, the Broad Green Pharmacy, 155 London Road, West Croydon, has been elected Vice-Captain of the Wandale Park Bowling Club.

AT THE PROVINCIAL GRAND LODGE of Mark Master Masons of Gloucestershire and Herefordshire, Bro. John Balcomb (dispensing chemist), Lodge No. 10 Cheltenham, was re-elected Provincial Grand Treasurer.

DOROTHY, THE DAUGHTER of MR. WALTON MANUEL, dispensing chemist, West Bromwich, has matriculated, and Aubrey, son of Dr. S. D. Gill, formerly also in pharmacy, has passed the Preliminary M.B. examination.

MR. ALBERT EBERLIN, J.P., chemist and druggist, Nottingham, Mr. Thos. Critchley, J.P., Blackburn, Mr. G. C. Druce, Oxford, and Mr. F. J. Gibson, J.P., chemist and druggist, Wolverhampton, have received special appointments under the Lunacy Act.

MR. ROBERT LENG, who was for forty-four years with the House of Maw, Aldersgate, London, E.C., and for twenty-five years their export manager, recently retired by arrangement with S. Maw, Son & Sons, and has accepted a position in the market department of Blagden, Waugh & Co., 4 Lloyd's Avenue, London, E.C.

MAJOR LAMING WORTHINGTON EVANS, M.P. for Colchester, has received from the King a baronetcy of the United Kingdom. Mr. Evans is a son of the late Worthington Evans, of Evans & Phillips, solicitors, Coleman Street, London, and himself became senior partner of Worthington Evans, Dauney & Co., solicitors, King William Street, E.C. His father was related to Mr. John Evans, founder of the London and Liverpool drug-business now Evans Sons Lescher & Webb, Ltd. He has been Unionist member for Colchester since 1910, and while the National Insurance Act was going through Parliament he proved himself to be one of the ablest exponents of the principles of the measure. In October 1914 he was appointed D.A.Q.M.G. at York, in August 1915 he became Parliamentary Private Secretary to the Financial Secretary to the War Office, and in January last year was appointed Controller of the Foreign Trade Department of the Foreign Office, and later was appointed to control a Finance Section of the Foreign Office. The new baronet is familiar with the drug-trade, and it is interesting to recall that his father was legal adviser on trade matters to THE CHEMIST AND DRUGGIST and its subscribers fifty years ago.

Things Worth Knowing.

By "Hugo."

When the seasons change your window-displays should change in harmony.

Price-tickets on window and counter display create interest and open up the way for sales.

Be punctual in the morning and at meal-hours, then you are entitled to get away punctually at night.

If you would avoid the loss incurred by duplicating stock, have a place for everything and keep it there.

If you would have the reputation of a well-stocked pharmacy, do not neglect to fill up empty spaces immediately.

Call upon a business man on business matters in business hours; when finished go about your other business, so that the person called upon may be free to attend to his business.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., November 2, 5.30 p.m.

THE chemical and drug markets remain much as previously reported, with little of interest to report. Menthol has commanded more interest in view of the crop shortage, and higher prices have been paid. Shellac is also dearer both on spot and for delivery. A sharp advance is noted in linseed oil, and to a less extent in coco-nut, crude cottonseed, palm, rape, and soya oils. Otto of rose and sandalwood oil are higher and sweet-birch oil firmer. Lemon oil is arriving freely against contract. Among alkaloids and fine chemicals atropine is lower. Salicylates to arrive are easier, likewise sulphonol, salol, citric acid, and hydroquinone. Peppers are dearer and cloves easier.

Higher	Firmer	Easier	Lower
Arsenic	Birch oil	Cloves	Acetic acid
Canary-seed	(sweet)	Formaldehyde	Atropine
Coconut oil	Campbor	Quinine	Citric acid
Cottouseed oil	(Jap. slabs)	(sec. hands)	Hydroquinone
(crude)	Copper	Salicylates	
Glucose	sulphate	(forward)	
Linseed oil	Mint oil (Jap.)	Salol	
Menthol	Palm oil	Sulphonol	
Milk-sugar	Rape oil	Terpin	
Otto of rose	Soya oil	hydrate	
Peppers	Turpentine		
Sandalwood oil			
Shellac			

Cablegram.

NEW YORK, November 1.—Business in drugs is quiet. Menthol is 15c. per lb. lower at \$3.20. Cartagena ipecacuanha has advanced to \$1.90, and Mexican sarsaparilla is dearer at 14c. Potassium iodide has been reduced by the makers by 30c. to \$3.45. Morphine, codeine, and their salts have been advanced by \$1.00 per oz. Opium and peppermint oil are unchanged.

ACETIC ACID is again lower, 80-per-cent. pure in casks offering to arrive at 70l. to 75l. and technical at 65l.

ACETYL-SALICYLIC ACID can be bought at from 25s. to 26s. per lb. in small lots. No large buying is taking place, except for export.

ALOES.—The exports from the Union of South Africa during August 1916 were 11,699 lb. (123l.), against 22,299 lb. (277l.) for August 1915. During the eight months ended August 31, 1916, the exports were 727,524 lb. (6,892l.), against 340,798 lb. (2,677l.) for the corresponding period of 1915.

ALUM.—Small parcels from second-hands are available at 21l. per ton.

AMMON. CHLOR. is offered at 52s. per cwt. for large crystals in casks and at 40s. for granular.

AMMON. ICHTHOSULPHONATE.—Quality of the Japanese imports varies considerably, likewise the price, which is from 2s. 9d. up to about 4s. per lb. net.

AMMON. SULPHATE.—Firm. Home-trade price is 15l. 10s. for November-March delivery. Export prices are: London, prompt, 25-per-cent., 17l. per ton net, naked at works; Hull, 24-per-cent., 17l. 17s. 6d.; Liverpool, 18l.; Leith, 18l. 2s. 6d. spot and 18l. 7s. 6d. for January-June delivery, less 5½ per cent. in bags f.o.b. Home-trade demand is good, and export trade has improved owing to licences being granted more freely.

ARSENIC is scarce and dearer, at from 39s. to 41s. 6d. per cwt. for best English powdered, as to package.

ATROPINE.—Raw material having become available in quantity, another English maker has undertaken the manufacture. The pure crystals are now available at about 150s. per oz. net, and the sulphate at 120s. net.

BENZOATES.—Acid benzoate appears to be almost unobtain-

able, and sodium benzoate is also scarce at about 22s. 6d. per lb.

BERGAMOT OIL.—New crop for forward shipment is quoted at from 18s. to 19s. per lb. c.i.f., and on spot prices vary from 22s. to 25s. 6d.

BIRCH OIL.—Genuine oil of sweet birch is firmer in the U.S.A. at 12s. 6d. per lb. to arrive; on the spot values are from 12s. to 12s. 9d. as to seller.

BROMIDES are unchanged. American makers are behind-hand with their deliveries, especially potash. The spot price is 7s. to 7s. 3d. net for crystals and 6s. 6d. net for granular; soda is 4s. 6d. and ammonium 5s. 6d.

BUCHU.—The exports from the Union of South Africa during August 1916 were valued at 1977l., no quantity being given in the official returns; in August 1915 the exports were 2,543 lb. (3807l.). During the eight months ended August 1916 the exports are returned at 107,339 lb. (17,399l.), against 125,871 lb. (19,468l.) for the corresponding period of 1915.

CAJUPUT OIL.—Sales have been made from first-hands at 3s. 7d.

CAMPBOR (REFINED).—Sales of Japanese 2½-lb. slabs have been made at 2s. 11d. to 3s. on the spot. English refiners quote refined bells at 2s. 6d. and flowers at 2s. 5d.

CANARY-SEED has been very strong all the week, with dearer prices every day. On Wednesday good Morocco sold at 72s. 6d. per quarter, and holders then advanced their quotations to 75s.

CARAWAY-SEED.—The export from Holland is still prohibited, and stock here is exhausted.

CINCHONA.—At the tender to be held at Amsterdam to-day (Thursday), 15,237 packages Java manufacturing bark, weighing 12,495,524 kilcs., will be offered, of which 13,658 packages, weighing 1,115,001 kilos., have a quinine content of 65,636 kilos. The average percentage of the analysed portion is 6.16.

CITRIC ACID is quoted at 2s. 6d. per lb., at which a fair export business has been done.

CLOVES are the turn easier, with spot sellers of Zanzibar at 6½d., and January-March delivery at 6½d.

COCAINE.—Hydrochloride has been selling at 18s. to 18s. 6d. per oz. net. A fair business has been done.

COD-LIVER OIL.—Our Bergen correspondent writes on October 23 that no business is reported in medicinal cod-liver oil, and no quotation is available.

COPPER SULPHATE is dearer at 54l. per ton for the usual Lancashire makes.

CORIANDER-SEED is very firm at 33s. 6d. per cwt. for ordinary Morocco.

CUMIN-SEED is slow of sale, but the quotation is unchanged at 85s. per cwt. for good sifted Morocco.

DILL-SEED.—Further sales of East Indian are reported at 25s. per cwt. on the spot.

FENUGREEK-SEED is very firm, with sales of small parcels of fair Morocco at 27s. 6d. per cwt.

FORMALDEHYDE is slightly easier at 72s. 6d. per cwt. for 40-per-cent. by volume in barrels.

HEXAMINE is quoted at from 2s. 9d. to 3s. per lb. as to quantity.

HYDROQUINONE is offered at from 16s. 6d. to 20s. per lb. net according to seller.

LEMON OIL.—A fair quantity has arrived from Sicily. Market is unchanged at from 3s. 10½d. to 4s. per lb. spot and at 4s. c.i.f. for prompt shipment, and new crop also for December-January shipment. A Sicilian advice dated October 21 states that a more brisk demand has lately prevailed for prompt shipment for goods to be delivered in the last months of the year, and for new-crop goods for January shipment and onwards. This demand has caused a certain firmness and an advance in prices. Many and important lots were sold, especially of old crop, and now prices for the last production are practically the same as those asked for new crop. The heavy increase in cost of copper, and the fact that the Italian copper-industry is engaged in important work, makes it very difficult to get the sheet copper from which the usual copper containers for essential oils are made. This will probably render impossible the shipment of essential oils in coppers.

LIME OIL.—Arrivals of over 160 packages have taken place from the West Indies this week. Sellers quote 9s. for distilled and 11s. for hand-pressed, and these prices have been paid.

LINSEED is quoted 95s. to 100s. per quarter on the spot for fair to fine quality.

MENTHOL is dearer, with spot sales of Kobayashi-Suzuki at from 12s. 6d. to 13s. per lb. Sales of near-at-hand have been made at 12s. 1½d. up to 12s. 6d. c.i.f., but from Japan 14s. 6d. c.i.f. is quoted. Spot oil is 4s. 6d., but slow of sale.

METHYL SULPHONAL is somewhat scarce at about 60s. to 65s. per lb. net.

MUSTARD-SEED.—Good English yellow is firm at 48s. to 50s. per quarter.

OILS (FIXED).—*Linseed* is 1s. 9d. dearer at 45s. 6d. per cwt. in pipes landed and 46s. 6d. in barrels. *Cottonseed* is 2s. dearer at 43s. for crude (new) in pipes on spot, pale refined being nominal, and for sweet refined in barrels from 50s. to 54s. is quoted. *Rape* is 2s. dearer; ordinary brown naked on spot is 43s., British refined in barrels is 52s. to 54s., and Japanese in cases is 47s. 9d. c.i.f. for October-November shipment. *Cocunut* is 2s. 6d. dearer at 57s. for Ceylon in hogsheds on spot and 55s. in pipes. *Cochin* on spot is 56s. to 58s., and London pressed is 46s. 6d. to 47s. *Hankow Wood* oil is now 57s. 6d. spot and 56s. c.i.f. *Soya* is 2s. dearer at 42s. c.i.f. on passage for Oriental in cases. *Hull* (spot) crushed is 45s., and extracted 43s. *Lagos Palm* is firmer at 42s. 6d. on spot, and 40s. ex quay Liverpool.

OTTO OF ROSE.—The recent advance in values is attributed to the quiet absorption of spot parcels on the part of several buyers, in view of the fact that no new supplies of Bulgarian or Turkish otto will be available for an indefinite period. Guaranteed "pure" Bulgarian on analytical certificate is quoted at 55s. to 60s. per English oz. net, and "own distillation" at from 85s. to 95s. net. French is offered at from 40s. to 42s. 6d. net, all on spot. It is notorious that since the war the headquarters of at least one firm of Bulgarian distillers have been established in Switzerland, from whence offers are made *via* neutral countries, but we understand a more strict supervision is now being undertaken by the Customs as to the origin of imports.

PEPPER is dearer and in better demand. Fair black Singapore on the spot has advanced to 8½d. to 8¾d., with sales thereat; Tellicherry is 9½d. and Lampong 8¾d. Singapore white is now 9½d. for fair, Muntok 9¾d., and Penang 9½d. per lb., all spot.

PEPPERMINT OIL.—American is slightly lower on the other side, Western distillers offering more freely, but London spot values are unchanged at from 10s. 3d. to 10s. 6d. net. Fair arrivals have been taking place of late, and these should relieve the spot scarcity.

PHLOCARPINE.—Hydrochloride is offered at 24s. and nitrate at 22s. per oz. net.

POTASH PERMANGANATE is firm at from 8s. to 8s. 3d. per lb.

POTASH SALTS.—Russian *Carbonate* 80 to 85 per cent. calcined is offered at 130l. per ton in casks. *Metabisulphite* crystals in kegs is quoted at 230s. to 250s. per cwt., and powder at 200s. *Iodide* is quoted at 13s. 6d. per lb. in cases, less 5 per cent. American makers have reduced the price of potash iodide to \$3.45 per lb. owing to increased imports of Japanese make.

QUICKSILVER is firm at 17l. 15s. per bottle.

QUININE.—Although there is a good export demand, there are still some weak second-hand sellers anxious to realise, and 2s. 3d. per oz. is mentioned as the quotation for sulphate. The Italian Government is helping an effort to establish a quinine-factory near Turin.

SALICYLATES of American make are offered to arrive at the somewhat easier rate of from 6s. 6d. to 6s. 9d. for either U.S.P. acid or sodium. The spot prices are from 6s. 9d. to 7s. 6d. for acid powder and 8s. 6d. for sodium.

SALOL is offered at from 13s. 6d. to 15s. per lb. net, according to quantity and seller.

SANDALWOOD OIL is dearer, with sales of English distilled from E.I. wood at up to 40s. per lb., but offerings are by no means large, and 41s. to 42s. is asked in several quarters. It is said that the minimum price of wood at the forthcoming Mysore auctions has been fixed so that the cost price of oil distilled in Europe will be about 40s. per lb.

SENNA.—A United States Consular report states that in the calendar year 1915 the declared exports to America—restricted in order that a considerable percentage of the supply may remain in India—amounted to 4,037 cwt., valued at \$42,512, whereas in the first half of the current year the quantity was 2,851 cwt., and the value \$46,307. Official figures covering the exports of senna from British India ports during the fiscal years ending March 31 show a sharp decline in 1914-15, when shipments aggregated only 6,663 cwt., but this loss was more than made up in 1915-16, when 34,280 cwt. were exported.

SHELLAC has shown more activity at higher rates, in sympathy with advanced Calcutta prices. The spot price of usual standard TN Orange quality is 127s. to 128s., and fine Orange 152s. 6d.; A.C. Garnet is 132s. 6d. Futures are also dearer, the sales including December at 123s. to 128s., and March 127s. 6d. to 131s.

SILVER PROTEINATE is offered at 17s. 6d. per lb. net and silver colloidal at 80s. per lb. net.

SODA SALTS.—*Nitrate* is firm at 18s. per cwt. for ordinary and 18s. 6d. for refined on the spot; Liverpool is 17s. 6d. to 18s. net. *Sulphate* pea crystals in bags offer at 9l. per

ton net, ex warehouse London. *Sulphite*, recrystallised in kegs, 22s. per cwt. net, and anhydrous 50s.

SAPTEINE SULPHATE is offered at 44s. per lb., and is scarce. SULPHONAL has sellers at 30s. per lb. net for crystals, with powder being easier.

SULPHOCARBOLATES.—Both zinc and soda are offered at 3s. per lb. net.

TANNIC ACID.—*Leriss* is quoted at from 5s. to 5s. 3d. per lb. net as to quantity; technical is 1s. 9d. *Gallic* pure is 5s. to 5s. 3d. net as to quantity.

TARTARIC ACID is quoted at 2s. 7½d. for crystals for prompt delivery.

TERPIN HYDRATE is offered at from 2s. to 2s. 3d. per lb. net for pure crystals for prompt delivery.

TURPENTINE has been fairly active, American closing at 44s. 4½d. per cwt. on the spot.

WITCH-HAZEL EXT. is offered at 9s. 6d. per Imperial gal., duty paid. The question of freight from America is a heavy item, and adds to the uncertainty of the market, while some quote "per American gal."

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of September 20 and October 7:

ACETYSALICYLIC ACID.—Makers have advanced their prices by m.1 per kilo. to m.795 per 100 kilos. for quantities of 10 kilos., and to m.720 for 1,000 kilos. lots.

AGAR-AGAR is firm at m.24 per kilo.

ALBUMEN, egg, and dried egg-yolk remain in active demand, and the latter has advanced considerably in price.

BALSAMS.—*Copaiba* is inquired for in large quantities for technical purposes, and m.7 per kilo. is readily paid. *Tolu* is quiet, at from m.14 to m.15.

BROMINE is still to be had in sufficiently large quantities at m.5 per kilo.

CERESIN is active, and prices are advancing owing to scarcity.

COCAINE HYDROCHLOR. has advanced by m.80 per kilo. in consequence of the high prices asked for the raw material; from m.290 to m.300 per kilo. is quoted, and the demand is increasing.

CONDURANGO has been sold in small lots at m.325.

HEXAMINE is manufactured in sufficiently large quantities to meet a normal demand. It is only put at the disposal of civilians after army requirements have been supplied; from m.700 to m.750 per 100 kilos. is asked.

MENTHOL.—In consequence of the higher quotations in neutral countries, prices in Germany have advanced to m.60.

OILS (ESSENTIAL).—*Star-anise*, which has been neglected, has suddenly come into active demand, and the price has advanced from m.20 to m.23 per kilo. for "Red Ship." *Bergamot* quiet, at m.80. The demand for *Caraway* has fallen off, and the price is m.35. The demand for *Cassia* is increasing, and m.19.50 must be paid. *Clove* is still obtainable at m.35, though cloves have advanced. *Eucalyptus globulus* is still offered at m.16. *Ceylon lemongrass* is still to be had from m.9 to m.9.50. *Lime* is neglected at m.15. *Patchouli* meets with increasing interest at advanced prices. Japanese *Mint* is also firmer, at from m.29 to m.30.

OXALIC ACID.—Makers have advanced the price from m.82.50 to m.92.50 per 100 kilos. The price of potassium binoxalate has advanced from m.106 to m.116 per 100 kilos.

PEPPERS.—Black and white are unobtainable in the ordinary way of trade. Only secondhands offer occasionally, and as there is no chance for further imports, from m.19 to m.19.50 per kilo. for white washed Muntok, and from m.18 to m.18.50 for black Singapore or genuine Tellicherry are readily paid. It is expected that prices will advance still further if the demand remains as active as now.

PHENACETIN.—The Convention has advanced the price by m.2 per kilo., to m.11 per kilo.

QUICKSILVER is quoted from m.550 to m.575 per bottle.

SALICYLATES.—The Convention has advanced the prices for home consumption by m.50 per 100 kilos. Salicylic-acid crystals are m.370 to m.400 per 100 kilos., and powdered acid m.330 to m.370; powdered sodium salicylate is m.390 to m.430, and crystals m.430 to m.450. Salol has advanced by m.100 per 100 kilos. to m.675 to m.705 per 100 kilos.

SODIUM SILICATE SOLUTION is still asked for in large quantities, but is very difficult to be had.

TANNIC ACID has advanced considerably in consequence of extreme scarcity and very high prices for raw material: technical from m.750 to m.850; powdered D.A.B. V. from m.825 to m.925; and "levis" from m.900 to m.1,000.

TONKA-BEANS have been sold in large quantities at from m.20 to m.22 per kilo. for Angostura, and from m.14 to m.15 for Para beans. The demand is very active.

TRAGACANTH.—Imports of pale Syrian have taken place, and immediately sold at advanced prices. Anatolian, Persian, and Indian have all advanced in price.

TARTARIC ACID is a little firmer at m.11.50 per kilo. for powdered.

VANILLIN is in rather active demand again. Second-hands cannot offer, so that makers' prices must be paid, but no change in values is anticipated.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals, during the period from October 25 to 31 inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—e.g., cases, bags, barrels, boxes, etc. The weights, when known, are specified:

To London.		G. damar 153 pkgs.		Soda pruss. 20 cks.	
Acetanilide (N.Y.)	160 brls.	G. kauri (N.Z.) 500 sks. 27 cs.		Soda salicyl. (N.Y.)	10 brls.
Acetic acid (N.Y.)	41 chys.	Herbs (Japan) 30 cs.		Spices (W.I.)	714 brls. 16 ½-brls. 5 cs.
Agar-agar 20		Honey (Fr.) 14 cks., (Amst.) 53 brls., (Aust.) 161 cs.		Squill (It.)	52
Albumen 56 cs.		Indigo (E.I.) 13 cs.		Sulphur (It.)	155 brls. 2,200 bgs.
Antimony 440 pkgs.		Insect-powder (Jap.)	10 cs.	Tamarinds (Nevis)	47
Arachis oil 175 cks.		Kola (W.I.) 64		Tartar (Sp.)	213
Argol (It.) 386 bgs.		Lemongr. oil (E.I.)	10 dms.	Tartaric acid (It.)	490 brls.
Calc. carbide 2,900 dms.		Lime-juice (W.I.)	433 cks. 351 pps.	Turpentine (Sp.)	1,713 brls.
Calcium cit. (W.I.)	15 cks.	319 hds. 15 cs. 220 dms. 11 brls. 36 pps.		Wax, bees' (Aden)	192. (Morocco) 381. (B'bay) 16 cs., (E.I.) 73 bgs., (W.I.) 3, (Aust.) 14 cs.
Camphor 450 cs.		Lime oil (W.I.) 8 dms. 142 cs. 15 chys.		Whale oil 60 dms. 22 tanks	
Benzaldehyde 1 cs.		Linseed (E.I.) 58,377 bgs.			
Bergamot oil (It.)	74 cs.	Liquorice-ju. (Sp.)	25 cs.		
Cantharides (Russ.)	5 cs.	Liquorice-root (Sp.)	92 brls.		
Caraway oil (Amst.) 4 cs.		Mace 84 brls. 14 ½ brls. 15 cs.			
Carb. acid gas (R'dam) 20 cyl.		Male fern ext. 2 cs.			
Cassia fist. 10 bkts.		Manna 40 cs.			
Castor oil (E.I.) 344 cks.		Mastic 10 cs.			
Chemicals, medi- cines, perf., etc. (N.Y.) 389 pkgs.		Medicines (Jap.) 22 cs.			
Chewing-gum (N.Y.)	400 cs.	Menthol 35 cs.			
Cinchona (E.I.) 37		Mint oil (Jap.) 20 cs.			
Citric acid (Palermo) 14 cks. 90 kgs.		Nutmegs (W.I.) 499 brls. 5 bgs.			
Citronella oil (Cey.)	16 dms.	Nux vom. 775			
Cocoon oil (Cey.)	290 cks. 10 pps. 1,499 cs.	Oils, fixed: Arachis 25 cs., fish 2,800 cs., olive (Sp.) 246 brls., rape (Jap.) 1,250 cs., shark 250 cs., soya 2,750 cs., sperma 100 brls., wood oil (Hankow) 151			
Cod-liver oil (Norw.)	48 cs.	Opium (E.I.) 22 cs.			
Copra 55,401 bgs.		Orchella-weed 10			
Cumin-seed (Mor.)	656 bgs.	Orris (Mog.) 51			
Divi-divi 143 bgs.		Pepper 690 bgs.			
Drugs (N.Y.) 30 cs., (Fr.) 9 cs., (R'dam) 72 brls., (Mont.) 12 cs.		Peppermint oil (N.Y.) 50 cs.			
Ergot (Russ.) 121 bgs., (Jap.) 20 cs.		Potash iodide (Jap.)	80 cs.		
Essential oils (N.Y.)	1 dm. 7 cs., (Sic.) 315 pkgs. 61 cs. 81 ½ cs. 151 ¼ cs., (W.I.) 4 cs., 2 pkgs., (St. Kitts) 5 cs.	Potash salts (C'cutta) 26 cs.			
Eucalyptus oil 8 cs.		Quinine (Amst.) 51 cs.			
Formaldehyde (N.Y.)	25 brls.	Roots, barks, herbs, etc. (N.Y.) 39 pkgs.			
Fusel oil 16 cks.		Saltpetre (E.I.) 2,571 bgs.			
Gentian (Sp.) 391 bgs.		Sandalwood oil (E.I.) 36 cs.			
Glycerin (N.Y.) 100 cs.		Sandarac 38 bgs. 9 brls.			
Gums, undescribed (Morocco) 246 bgs. 11 brls., (E.I.) 746 bgs. 485 cs., (Aust.) 109 bgs.		Senna (Aden) 69, (P. Said) 19, (Tinn.) 1,427 brls.			
G. copal 117 pkgs.					

To Folkestone.—Drugs (Fr.) 52 pkgs.; perfumed spirits (Fr.) 20 cs.; perumery (Fr.) 163 pkgs. To Hull.—Acetic acid (N.Y.) 76 brls.; cascara sagrada (N.Y.) 1,932; castor-seed (E.I.) 14,806 bgs.; chemical prod. (Fr.) 833 bgs.; cottonseed 1,906 tons 800 bgs.; dill-seed 180 bgs.; gum copal (W.C. Af.) 10,039 pkgs.; linseed (E.I.) 39,364 bgs.; palm-kernels 19,725 bgs.; palm oil 441 pkgs.; petrolatum 65 brls.; quinine hydrochlor. (Amst.) 22 cs.; rape-seed 45,268 bgs.; soda prussiate (N.Y.) 9 cks.; soda silicate (N.Y.) 40 kgs. To Manchester.—Albumen 30 cs.; ammon. nit. 484 cks.; calcium carbide (Mont.) 1,500 dms.; castor oil (It.) 5 cs.; cream of tartar (Palermo) 44 cks.; essential oils (Messina) 24 ½ cs. 5 cs.; liquorice-ju. (It.) 10 cs.; olive oil (It.) 674 bgs.; petroleum emulsion (N.Y.) 1,970 bgs.; phosphorus (Mont.) 170 cs.; soda bisulphate (N.Y.) 200 brls.; soda chlorate (Mont.) 500 dms.; soda perborate (Fr.) 20 cks.; sulphur (It.) 9,191 brls.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Cinchona.

SIR.—With reference to the correspondence in your esteemed journal of August 19 and September 9 as to the writing of the word "Cinchona," which for euphonious reasons was accepted as such at the Botanical Congress held in London in the year 1866, I may mention that the chance circumstance that from 1629 to 1639 Peru was ruled by a Spanish Viceroy who bore the title of Count of Chinchona, whose lady during his Viceroyship happened to be cured of an attack of malarial fever by quinaquina powder, has led to the assumption, as has frequently occurred with translations, that the name "Cinchona" was a faulty spelling of "Chinchona." Now, "Cinchona" is merely the Spanish word "Cinchon," to which an "a" has been added for the sake of euphony, and signifying broad body-belt—a name given to the quinaquina-bark from its outward resemblance to a broad girdle encircling the trunk of the tree. As of yore, "Cinchona" powder is still called Jesuit Powder in the Spanish vernacular and the quinaquina-bark Jesuit Bark, but for the rest "Cinchona" is called "Quinaquina" in the three South European languages of Latin origin; in Italian, however, it is spelt "Chinchina," while the pronunciation, as in Portuguese and Spanish, is "Kinakina," which shows that the word must have been adopted, it being in fact native Peru. As "Xrayser II." has stated, "Cinchona" in the three mentioned countries is solely employed in scientific circles.

Yours faithfully,

W. K. A. BURGHARDT.

"Once More, the Hat."

SIR.—It is very difficult to understand the attitude of "S. L. R.," or to discover in your article (*C. & D.*, October 21, p. 43) any cause for thanks or rejoicing. I would like to point out to "S. L. R." that the position he takes up is very selfish. It is exactly on all-fours with the man who derives pounds extra profit annually from the work of the P.A.T.A. yet refuses or omits to contribute his quota to the work. He allows others to sow, while he joins in the harvest. Does "S. L. R." labour in any way to improve the conditions of pharmacy? Has he a policy which would be an improvement on that pursued by the Pharmaceutical Society? If so, why does he not bring it forward? Does "S. L. R." belong to a local Association? If not, he should join without delay; then he could, if his Association would only pass the word, spend a very interesting and profitable afternoon listening to either Mr. Woolcock or one of his colleagues, who would, if "S. L. R." is reasonable, convince him that he could profitably contribute his annual guinea and rest contented that it would be well applied. It might be well to remind ourselves that so far the Executive of the Pharmaceutical Society is only composed of human beings; that they are elected by vote; that each member is invited—nay, desired—to exercise his vote; and that, therefore, "the Society may fairly be said to represent pharmacists." Articles like "Once More, the Hat," being directed against the Pharmaceutical Society, are directed also against its members, and are decidedly injurious to pharmacists, because they seek to discourage unity, to foster dissatisfaction and distrust.

Yours truly,

Oldham, October 23.

H. BAGSHAW.

"They Almost Look as One."

SIR.—There is a statement in your Editorial article of October 28 which confirms the views which I have held for some time with regard to the Pharmaceutical Society. It is as follows:

The English Commissioners appear to have now got a firm grip of the Pharmaceutical Society's headquarters, and they are working together so well that they almost look as one.

That is a plain statement, which ought to sink deep into the mind of every chemist interested in Insurance dispensing. Once more chemists, under the able guidance of Mr. Woolcock and his colleagues, have been pledged to terms which a body of bricklayers would refuse with scorn. Two questions therefore arise in the minds of all practical business men: (1) Why is this always so? (2) What is the remedy?

The reason this always is so, and always will be so under existing methods, is because the Pharmaceutical Society, owing to its constitution, is always more or less under the thumb of the Government. It is just the same with the General Medical Council. The doctors found this out years ago, that in any negotiations with the Government they always found themselves betrayed. They therefore set about to create that strong trade union, the British Medical Association. At the time of the institution of the Insurance Act the General Medical Council told the doctors to accept the terms offered them, but the B.M.A. refused, and the result was 2,000,000*l.* given to the doctors which otherwise they would never have had. The Government now know that they can deal with the G.M.C. on educational matters, but when it comes to questions of remuneration the B.M.A. has the final word. This is an object-lesson for the chemists of this country. When the Pharmaceutical Society has had our examination and registration fees let us have done with it, except in educational matters. Let all our spare cash go to the formation of a strong national union of pharmacists, who will treat with the Government on all matters, as well as undertake the useful work now performed by the Chemists' Defence Association. Of course, I know the idea would be opposed by the elderly nominees of the Society who have reigned so long in our local Associations. We have them in Lancashire, and can afford to throw them off as encumbrances. What does "Jay Mack" say on the matter?

Yours truly,

LANCASHIRE. (118/51.)

How London was Dished.

SIR,—But for an absurd resemblance to "Micawber," I would never again attend a meeting of pharmacists. Every time I come away impressed with the futility of it all, and convinced that cut-and-dried have it their own way. The big meeting on Thursday, October 26, at the Holborn Restaurant was no exception to the rule. The spirit of the meeting was far in advance of that of the Executive, yet the Executive won by means that I can only describe as "wangling." This was especially evident with regard to a resolution moved by Mr. Atkin, and seconded by myself, which demanded "That the Executive should ask the Home Office to enforce a definite hour for the closing of chemists, suggesting 8.30 p.m." It was contended that, with the early-closing regulations in force, it would be quite reasonable that doctors be asked by the same authority to see their N.H.I. patients an hour earlier in the evening, making their time-limit for consultations for general practice 8 p.m., and by extending that time for chemists by half an hour all N.H.I. patients would be able to get their prescriptions dispensed the same night. Instead of putting a concise motion of this kind to the vote without any further palaver, the Chairman of the Executive (and of the meeting) strongly desired that their own motion, which was indefinite and wobbly, as might be expected, should be carried. By juggling from one to the other, so that the meeting was absolutely confused, he gained his end. The spirit of this meeting also convinced me that the weakness of the chemists' bargaining power with the Insurance Commissioners lay not with the rank-and-file, but with the leaders (a term which I use in courtesy only). It seems to me that from the beginning their actions have been characterised by absurdity. The very first contract was an impossible one, but the Commissioners were on the right side. What we gained on succeeding contracts on the one hand we lost (with a nice slice added) on the other, and now we have reached the point where, if we have no extra expenses of staff, etc., we do not perhaps lose on it, but the profit is such that the game is scarcely worth the candle. And we were called together to approve of this, if you please, and I suppose the Executive will say "We did approve." Yes, cut-and-dried approval and resolutions were rushed through when the meeting had practically broken up. The Executive excuse for this poor showing is "that chemists are not sufficiently well-organised to apply force to their arguments," which I beg to characterise as bunkum. They piously hope that next year our organisation will be strengthened. They suggest that to threaten to withdraw from the panel because we do not get our demands conceded would be bad citizenship in time of war, which is rather unkind to Scotch pharmacists. Nothing about the bad citizenship of the enforcing of cheap physic on N.H.I. patients in time of war. Oh, no! Messieurs the Executive, you know that probably more than 90 per cent. of panel chemists are organised; you ought to know that these chemists would have supported you to a man had you demanded from the Commissioners the same terms as conceded to our Scotch brothers, which, it is contended, are 25 per cent. better than ours. Why have you not? Has

the status of being members of the Pharmaceutical Society enervated you? I, for one, am tired of this polite lethargising, and my experience of the Local Associations enables me to say that neither in spirit nor in letter are you carrying out the wishes of members. You were not elected to your present positions to "lie down" to the Pharmaceutical Society, which you know is the bar to pharmaceutical progress; you were elected to be an everlasting stimulus to it, and if necessity arose to lay down the law to it. Well, you either lead or you don't. At present you don't; so why not resign and clear the air?

London, S.E.

GEORGE F. CORRAL.

Earlier Shop-closing Order.

Sam (118/61) writes: "How is it possible to turn out lights, as well as lock the shop-door, when it is incumbent on us to restore poisons to their respective cupboards, and put away goods easily damaged by exposure, after having served the customer? If we are allowed to keep our assistants for necessary work after closing, how are they able to do their duty in the dark? It is this linking-up the lighting with the closing of shops which is our difficulty, especially when our blinds in windows and at shop-doors effectively hide all lights from the street. The application of the Sunday Observance Act, with its penalties, is a much more serious question for chemists than we have been aware of, as I am sure the majority, especially those who open from 6 to 9 p.m., sell almost anything that is asked for; yet to be penalised for those articles which you mention, which are distinctly medicinal, is a great hardship, and I am afraid we are all guilty, as they are asked for every Sunday. There is never a case reported in the journals, and the facts should be prominently brought to their notice. Under the circumstances I shall seriously contemplate only answering the bell when medicine is required for illness."

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Wynsteenzuur.

G. B. (Nylstroom) (98/18) writes to point out that *wynsteenzuur* is Dutch for tartaric acid. The Dutch for cream of tartar is *wynsteen*. (See *C. & D.*, August 12, p. 52.)

Food for Fowls.

Pall Mall (99/43) asks for information regarding "a food for making hens lay and for improving the plumage, which the customer states is a brown-coloured powder containing flies."

Bismuth Solution.

Wincock (98/61) requires suggestions for "utilising or recovering the bismuth from several one-pound bottles of liq. bismuthi et ammon. cit. which have developed a copious white precipitate."

An Economic Suggestion.

"'Tho' far from the Land,' I still retain all my interest in THE CHEMIST AND DRUGGIST, and look forward to each issue. I note in your number for July 1 an inquiry, 'C. A. (248/44),' regarding the purification of cream of tartar that has become tinted. Your correspondent may find a useful method of disposal by using it up in making 'salts of lemon'—vide 'Pharmaceutical Formulas.' That information, by assisting me at one time to dispose of some otherwise useless cream of tartar, considerably heightened my respect for the *C. & D.* publications."—Arthur MacKellar (Waverley, N.S.W.).

Legal Queries.

Broncho (114/21).—Large manufacturers of gelatin capsules have been able to obtain authority from the Ministry of Munitions for the use of glycerin in the manufacture of medicinal capsules. Moreover, the gelatin capsule-mass B. in "Pharmaceutical Formulas," p. 852, is in the "British Pharmaceutical Codex," and chemists and druggists are entitled to use the formula without applying to the Ministry of Munitions for authority.

J. E. H. (118/65).—(1) Proprietary preparations containing cocaine cannot be supplied to customers without a prescription from a medical practitioner being produced by the customer in each case, but the total amount of cocaine contained in the proprietary article is not required. (2) Corn-paint made of salicylic collodion coloured with extract of Indian hemp has not been treated as a preparation

of Indian hemp covered by H.M. Forces Regulation of May 9, 1916.

Cornishman (115/62).—The Home Secretary decided on October 26 that instead of closing at seven o'clock, shops should close at eight o'clock on five days of the week and at nine o'clock on Saturdays. This does not affect the early-closing conditions of the Shops Act, and if Thursday is your early-closing day, you should continue closing at the usual hour on that day, but you may open the shop to customers for medicines or medical or surgical appliances. The shop should not be opened or kept open after the closing in order to attract customers. Lights should not be used after the closing-hours unless necessary in serving a customer with medicine or medical or surgical appliances.

Unlightened (114/16).—The terms of the Earlier-closing Order (C. & D., October 28, p. 38) and the supplemental remarks on p. 46 show that lights have to be put out when all the customers who are in the shop at the closing-hour have been served; it must then be closed, and may only be opened (so far as chemists and druggists are concerned) for the supply of medicines or medical or surgical appliances. The Order does not make any addition to the statutory particulars in regard to goods carried by chemists which they may not sell after the closing-hour. It is customary to have such goods covered with a cloth if the shop is open for the purpose of supplying medicines or medical or surgical appliances. You may retain an assistant after the closing-hours (except on his half-holiday) to complete the duties of the day, but you must take care that the shop is not kept open nor lighted while he is doing this. We presume that there would be no objections to lighting if it is shaded from the street. The Order and the Shops Act do not authorise the sale during closing-hours of foods, feeding-bottles, night-lights, or other children's necessities unless illness can be proved. The Order and the Acts do not apply to Sundays, but all retail trading whatsoever is controlled by the Sunday Observance Act (see C. & D. *Diary*, p. 364), under which the sale of medicines by chemists and druggists on Sundays is regarded as a work of necessity; but chemists have no more right than any other retail shopkeeper to keep their shops open on Sundays unless for that purpose. (Replies also to *Flect.*)

Miscellaneous Inquiries.

Calomel (98/22).—**MUCILAGO CHONDRI**.—Chloroform is the best preservative for this. After washing the moss (1 oz.) boil in 10 oz. of water, remove from the fire or stove, add 50 oz. of chloroform-water, cover, stir occasionally, and strain when cold.

R. A. (28/10).—(1) **DRUG-TRADE DIRECTORY**.—Kelly's "Directory of Chemists and Druggists and Allied Trades" (Kelly's Directories, Ltd., 182, 183, and 184 High Holborn, London, W.C., 25s.); "Register of Chemists and Druggists" (Pharmaceutical Society, 17 Bloomsbury Square, London, W.C., 5s.). (2) **TRANSLATIONS**.—Refer to Buyers' Guide in C. & D. *Diary*, 1916.

W. M. B. (113/38).—**EXTRACTED HONEY** can only be kept in the liquid condition by storing in a warm place, a method of storing, however, which often induces fermentation.

A. W. (117/36).—**METAL-POLISHING PASTE**.—Refer to C. & D., November 7, 1914, p. 62, as we cannot at present repeat the information there given.

W. D. S. L. (119/17).—**RUBBER PRESERVATIVE**.—A solution of glycerin is most often employed as a preservative or restorative of rubber, but, according to a French investigator, complete immersion in distilled water is the best method.

P. & T. (113/59).—**TOOTHACHE-WAX**.—The following are two recipes on the lines you require:

I.

Venice turpentine 3iv.
Liquid paraffin ... 3iv.
Salol ... 3vj.
Yellow wax ... 3iij. 3ii
Alkanet-root ... a suffi-

ciency to colour
Triturate together the salol, turpentine, and oil, then add the wax, previously coloured by macerating with the alkanet; allow to cool, and roll into sticks or cut into pellets.

II.

Paraffin wax ... 3 parts
Burgundy pitch ... 3 parts
Oil of cloves ... 1 part
Carbolic acid ... 1 part

Melt the paraffin and pitch together, and when nearly cold add the other ingredients, mix with cotton, and cut into short rods, which should be wrapped in waxed paper.

Nik (113/37).—**TO CURE RABBIT-SKINS**.—Stretch the fresh skins on a board, fur side downwards. Scrape off all superfluous fat, and for a week wet daily with a solution of 1 lb. each of alum and salt in 2 gals. of water. Then smooth the surface with pumice-stone, and apply arsenical soap made from such a recipe as the following:

White arsenic	...	...	4 parts
Slaked lime	...	...	4 parts
Sodium carbonate	...	...	12 parts
Powdered camphor	...	...	3 parts
Soft soap	...	...	4 parts

Mix well together, and add a little water to bring the mixture to the consistency of soft soap.

Demo (12/48).—**MANUFACTURE OF MATCHES**.—It is stated in Bloxam's "Chemistry" that "very excellent matches may be made upon the small scale" in the following manner: First of all, slips of wood are dipped in melted sulphur so as to acquire a slight coating, then to make safety-matches one gram of powdered potassium chlorate and one gram of antimony sulphide are made into a paste with a few drops of a warm solution of 2 grams of gelatin in 5 c.c. of water, the sulphured matches being tipped with this composition. The rubbing surface is prepared with 2 grams of red phosphorus and one gram of finely powdered glass, mixed with a solution of gelatin and painted on paper or cardboard with a brush.

J. F. W. (79/40).—**BOOKS ON GEOLOGY**.—Lyell's "Student's Elements of Geology" (Murray, 9s.); Jukes-Browne's "Student's Handbook of Physical Geology" (Bell, 7s. 6d.); Lapworth's "Intermediate Text-book of Geology" (Blackwood, 5s.).

R. H. (118/56).—**CIDER** is best preserved by careful filtration and subsequent heating to 170° F. for ten minutes, then bottling in thoroughly sterilised bottles. The preservative commonly used is sodium salicylate in the proportion of two to three grains per pint.

Subscriber (118/38).—The Military Service Acts do not exempt indentured apprentices to chemists from service if they are over eighteen, but temporary exemption has been given by Tribunals, and the general practice is not to call up such men, especially if they are engaged in scientific or medical education, which chemists' apprentices sometimes are. It is important that your apprentice should do nothing that might be construed as an indication that he wants to shirk the service; straightforward action is beneficial.

J. B. (79/34).—**INFANT-FEEDING**.—We do not know of any book dealing solely with the use of cow's milk for feeding infants. The information is given in books on infant-feeding, such as Cheadle's "Artificial Feeding of Infants" (5s.), Cantley's "Natural and Artificial Methods of Feeding Infants" (7s. 6d.), and Vincent's "Nutrition of the Infant" (10s. 6d.).

F. S. (106/64).—**TICKET-WRITING INK**.—We think you will have better success with a basis of borax solution of shellac or water-glass. For black you can either mix this with ivory-black or evaporate ordinary writing-ink to half its bulk, and then make up to the original volume with shellac solution. The *Shellac Solution* is made by boiling together shellac 2 oz., borax 2 oz., water 20 oz., until solution takes place.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1866.

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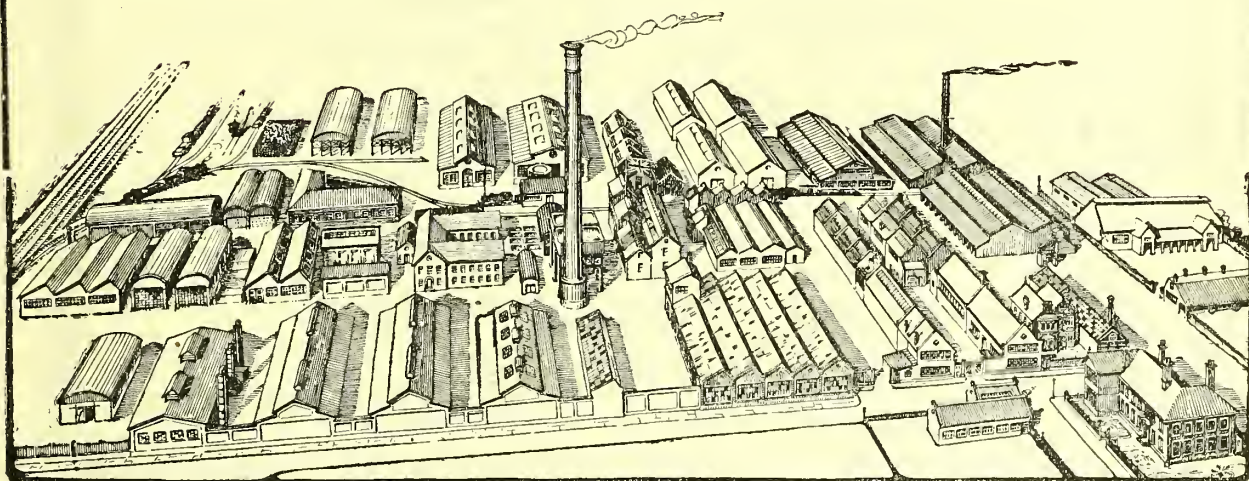
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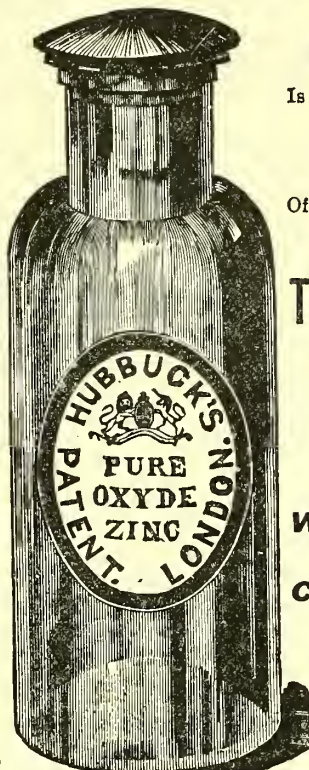
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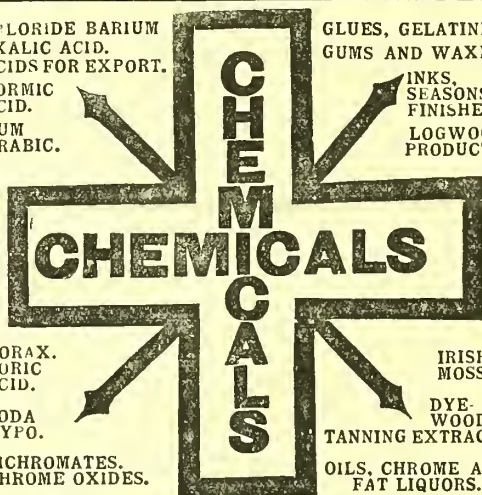
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N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Fol. Senna Tinney, 1 cwt. @ 6½d. lb.; 7 lbs. @ 7½d. lb.; English Ground, 56 lbs. @ 1/- lb.; 7 lbs. @ 1/2 lb.
Formaldehyde, 40%, 4 cwt. barrels @ 78/6 cwt.; 7 lbs. @ 11½d. lb.
Fuller's Earth, fine powder or lump, 5 cwt. @ 8/3 cwt.; 1 cwt. @ 9/6.

Galla Cæcul. Pulv., 7 lbs. @ 2/- lb.
Gamboge, English Ground, 7 lbs. @ 5/6 lb.; 1 lb. @ 1 lb.
Ginger, English Ground, 1 cwt. @ 62/- cwt.; 7 lbs. @ 8d. lb.
Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
Glycerin. Opt. D.D., 1.260 P.B., 56 lbs. @

cwt.; 12 lbs. @ 1 4½ lb.
*Glycerin. Acid. Boric, P.B., 6 lbs. @ 2/1 lb.
" Acid. Carbolic, P.B., 6 lbs. @ 1/10 lb.
" Acid. Tannic, P.B., 6 lbs. @ 2/5 lb.
Belladon. B.P.C., 6 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.
*Glycerin. Boracic, P.B., 6 lbs. @ 1/6 lb.
" Pepsin. Acid, P.B., 1 lb. @ 3/3 lb.
" Plumbi Subacet., P.B., 6 lbs. @ 1/11 lb.

Guaiaicol Carb., 1 lb. @ 135/- lb.
Guaiaicol, pure, 1 lb. @ 82/- lb.
Gum Acacia sorts, 3 cwt. @ 68/- cwt.; 1 cwt. @ 72/6 cwt.; 7 lbs. @ 7d. lb.; English Ground Powder, No. 1, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/6 lb.; No. 2, 1 cwt. @ cwt.; 7 lbs. @ 1/2 lb.

Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 105/- cwt.; 14 lbs. @ 1/- lb.
Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.

Gum Juniper, 14 lbs. @ 1/- lb.
Gum Thus Elect., 2½ cwt. @ 48/- cwt.; 28 lbs. @ 52/- cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 11/10 lb.; 1 lb. @ 11/6 lb.

***H**eding (Frothing Ess.), 5 lbs. @ 1/3 lb.
Heliotropine, 1 lb. @ 26/- lb.
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 52/6 cwt.
Hexamethylenetetramine, 7 lbs. @ 3/11 lb.; 1 lb. @ 4/3 lb.
Honey, Pale Set, Jamaica, 28 lbs. @ 70/- cwt.; Californian, ½ cwt. @ cwt.; 7 lbs. @ 1 lb.

Hydargyrum, P.B., 10 lbs. @ 5/9 lb.; 1 lb. @ 6/- lb.; Ammon., 28 lbs. @ 7/11 lb.; c. Creta, 28 lbs. @ 2/6½ lb.; Iodid. Rub. 28 lbs. @ 16/6 lb.; Oxid. Rub., 28 lbs. @ 7/6 lb.; Perchlor., Lump, 28 lbs. @ 7/9 lb.; Subchlor. 28 lbs. @ 7/6 lb.; Sulph. c Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra, 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
Hydrokinone, 1 lb. @ 22/- lb.

Ichthol Ammon. chemical equivalent: Ammon-Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.

***I**nf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
" Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/7 lb.
" Buchu Conc., 1 to 7, 6 lbs. @ 2/8 lb.
" Calumba Conc., 1 to 7, 6 lbs. @ 1/1 lb.
" Caryoph. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
" Cascarilla Conc., 1 to 7, 6 lbs. @ 1/6 lb.
" Cinchona Acid, 1 to 7, 6 lbs. @ 1/10 lb.
" Gentiana Conc., 1 to 7, 6 lbs. @ 1/3 lb.
" Quassia Conc., 1 to 7, 6 lbs. @ 1/1 d. lb.
" Rhei Conc., 1 to 7, 6 lbs. @ 1/9 lb.
" Rosa Acid. Conc., 1 to 7, 6 lbs. @ 2/10 lb.
" Senega Conc., 1 to 7, 6 lbs. @ 2/7 lb.
" Valerian Conc., 1 to 7, 6 lbs. @ 1/9 lb.

Insect Powder, Opt., English Grd., closed flowers, 7 lbs. @ 3/- lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/10½ lb.

Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/- lb.

Iodum, resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.

Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/8 lb.; sifted, 2/- per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/- cwt.; 7 lbs. @ 3d. lb.

Licorice Juice, 2-oz. Sticks, 1 cwt. @ 180/- cwt.; 28 lbs. @ 1/8½ lb.; 7 lbs. @ 1/9 lb.

***L**in. Aconiti Meth., 5 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.

" Bellad. Meth., 5 lbs. @ 8/8 lb.; 1 lb. @ 9/- lb.

" Camph. P.B., 40 lbs. @ 1/1½ lb.; 9 lbs. @ 1/2½ lb.

" Sapo Meth., 9 lbs. @ 1/3 lb.

" Tereb. Acet., B.P., 5 lbs. @ 1/1 lb.

Linseed c. Oil, Crushed, 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.

***L**iq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 1/- lb.; 1 lb. @ 1/4 lb.

" Ammon. Aromat., 6 lbs. @ 10d. lb.

" Antim. Chlor. Pure, 8 lbs. @ 10d. lb.

" Arsenicalis, B.P., 7 lbs. @ 5d. lb.; 1 lb. @ 8d. lb.

" Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.

" Bismuth, P.B., 6 lbs. @ 1/7 lb.

" Copaiba Buchu et Cubeb., 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.

" Easton, p.s. 1-3, B.P., 1 lb. @ 3/5 lb.

" Ferri Dialysatus, 6 lbs. @ 1/2 lb.

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" Pruni Virg. p.s. 1-7, 5 lbs. @ 2/9 lb.

" Rhoeados pro Syr., 1 to 7, 5 lbs. @ 2/8 lb.

" Rhei, p.s., 1-7, 6 lbs. @ 2/4 lb.

" Santali Co., 1 lb. @ 4/10 lb.

" Senna Dulc. 6 lbs. @ 1/8 lb.

" Senna pro Syr. 1-7, 6 lbs. @ 3/4 lb.

" Strychnina Hyd. P.B., 6 lbs. @ 1/11 lb.

" Tolut. pro Syr. 1-7, 6 lbs. @ 1/9 lb.

" Trinitrini, P.B., 1 lb. @ 7/- lb.

" Lithia Carb. B.P., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.

" Citras, B.P., 28 lbs. @ 6/4 lb.; 7 lbs. @ 6/7 lb.; pulv., 3d. lb. extra.

Lycopodium, 7 lbs. @ 7/9 lb.

***M**ag. Calc. Levis, 1 lb. @ 2/- lb.

" Mag. Calc. Pond., 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Mag. Carb. Pond., 7 lbs. @ 11d. lb.

Mag. Carb. Levis., 1 cwt. @ 70/-; 7 lbs. @ 8½d. lb.

Mag. Cit. Gran., 28 lbs. @ 1/5 lb.; 6 lbs. @ 1/6 lb.

Mag. Sulph., fine druggists', B.P., 1 cwt. @ 19/6; 28 lbs. @ 2½d. lb.

Manna, Flake, 14 lbs. @ 5/10 lb.; 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.

Menthol, dry white cryst., 60 lbs. @ 12/4 lb.; 5 lbs. @ 13/- lb.

***M**ist. Senna Comp., B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.

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Naphthalene, Candles, 7 lbs. @ 7½d. lb.

Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9½d. lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/10½ lb.

Ol. Anethi Ang. B.P., 1 lb. @ 30/- lb.

Ol. Anisi, E.I., 66 lbs. @ 3/8 lb.; 16½ lbs. @ 4/- lb.; 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/8 lb.

Ol. Aurant., 12 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; not guaranteed absolutely pure.

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Ol. Cassia, 16 lbs. @ 4/6 lb.; 6 lbs. @ 4/9 lb.

Ol. Cinnam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.

Ol. Citronellæ, 9 lbs. @ 2/3 lb.

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Ol. Eucalypt., P.B., 1 cwt. @ 2/5 lb.; 28 lbs. @ 2/6 lb.; 9 lbs. @ 2/7 lb.

Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.

Ol. Gynocardia, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.

Ol. Juniperi Ligne Exot., 9 lbs. @ 5/3 lb.

Ol. Lavand. ab Flor., 5 lbs. @ 17/- lb.; 1 lb. @ 18/- lb.

Ol. Menth. Pip. English, 5 lbs. @ 36/6 lb.; 1 lb. @ 37/6 lb.; Hotchkiss original bots., 21 oz. each @ 15/9 lb.; 6 bots. @ 15/6 lb.; 18 bots. @ 15/- lb.; American, 20 lbs. @ 11/- lb.; 4½ lbs. @ 11/6 lb.; 1 lb. @ 12/- lb.; Japanese, 60 lbs. @ 4/5 lb.; 5 lbs. @ 4/0 lb.

Ol. Morrhuæ, 1915, finest non-freezing, 2-gall. tins @ 20/- per gall.

Ol. Myrrbane, 9 lbs. @ 3/- lb.

Ol. Myristica, 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.

Ol. Nucis Pallid., 2 gall. tins @ 7/6 gall.

Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/6 gall.; 2 gall. tins @ 7/- gall.

Ol. Origan Rub., Coml., 28 lbs. @ 2/- lb.; 9 lbs. @ 2/3 lb.

Ol. Peach Kernel (so-called), 1 cwt. @ 1/5 lb.; 56 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.

Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.

Ol. Ricini Alb. Opt. Medicinal, 40 lbs. @ 75/- cwt.; 9 lbs. @ 10d. lb.; for export, 1 cwt. drums recommended.

Ol. Rosmarini, Coml., 28 lbs. @ 2/3 lb.; 9 lbs. @ 2/6 lb.; B.P., 9 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.

Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 40/- lb.; 1 lb. @ 41/- lb.

Ol. Sassafras, genuine, 28 lbs. @ 3/10 lb.; 1 lb. @ 4/5 lb.

Ol. Theobroma, B.P., 8-oz. tabs., 28 lbs. @ 2/5½ lb.; 7 lbs. @ 2/7 lb.

Ol. Wintergreen, Artificial, 5 lbs. @ 9/6 lb.; 1 lb. @ 10/6 lb.

Opium Turc. B.P., 14 lbs. @ 37/6 lb.; 3 lbs. @ 38/- lb.; 1 lb. @ 39/- lb.; powders, 6d. lb. extra.

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"THE ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

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A. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopoeia.

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"SANOID"

HOT WATER BOTTLE COVER.

(GERRARD'S PATENT).

WOOL - LINED
QUILTED
RETAIN THE HEAT

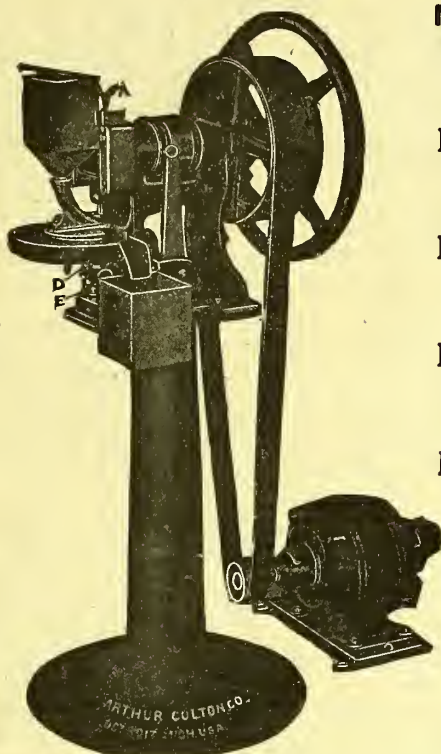


COMFORTABLE in USE
GIVE SATISFACTION
WEAR WELL

IN THREE COLOURS, PINK, RED AND BLUE.

8×6	10×6	10×8	12×6	12×8	12×10	14×8	14×10	14×12
5/-	5/-	6/-	6/-	6/-	7/6	7/6	9/-	9/- doz.

CUXSON, GERRARD & CO., LTD., OLDBURY



TABLET MACHINES

No. 2B MACHINE for tablets $\frac{1}{8}$ in. to $\frac{1}{2}$ in. diameter, including 3 sets of punches and dies.

(This machine has a capacity of 125 tablets per minute.)

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No. 4 MACHINE for tablets $\frac{1}{2}$ in. to $\frac{3}{4}$ in. diameter, including 1 set of punches and die.

A massive machine of great power. (Capacity 90 tablets per minute.)

No. 5 MACHINE for tablets up to 2 in. diameter, including 1 set of punches and die.

A still heavier machine than No. 4. (Capacity 50 tablets per minute.)

**Complete Pill Making Plants.
Gelatine Coaters.**

Collapsible Tube Filling and Closing Machines.

JOHN J. GRIFFIN & SONS, LTD.,
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Write for Lists—(Box 14), Sampson Works, SALFORD, MANCHESTER.
Phone: 7083-6 Central. Tel.: "Multure, Manchester."



THE "DUCHESS" WAISTCOAT POCKET ELECTRIC LAMP.

Most reliable. Fitted with bull's-eye lens, heavily nickelled caps. Recommended for Export. Complete with Refill and Bulb. Price 30/- doz. net.



"VOLEX" POCKET LAMP BATTERIES. British Manufacture. Made of the finest chemicals and finished by a special process to ensure maximum life. Highest grade. Prices on application.



THE "RED CROSS" COIL.

British made. Size of Case, $8\frac{1}{2} \times 6 \times 5$ in. No. N 5/21. Price 22/- nett. Fitted with high-speed trembler Make and Break which ensures a steady soothing current; can be regulated from mild to powerful. A reliable lasting Dry Cell is concealed in Case, which can be renewed in a few moments.



SPECIAL LINE. No. 307, British Made Pocket Lamp Case complete with 1-in. Lens, Battery and Metal Filament Bulb. per doz. 12/9 net.

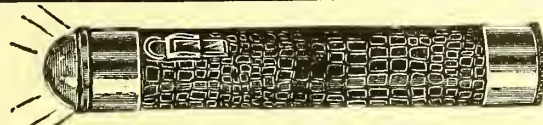
The following prices are per dozen net, and include reliable Batteries and special Tungstire Metal Filament Bulbs.

Complete with Refills and Best Bulbs. DESCRIPTION.	1½ lens.		1½ lens.	
	No.	Dz.	No.	Dz.
Popular quality, assorted covers, polished fittings ..	310	17/9	903	18/9
Medium quality, leatherette covers, nickelled fittings ..	325	18/9	905	20/9
Superior quality, in best leatherette covering, heavily nickelled	324	26/-	904	28/-
De Luxe quality, real leather covering, and heavily nickelled	423	33/-	S20	37/-



THE "TROPHY" TORCH. A full-size Torch of Remarkable Value. No. N21/42, size 9 in. long, complete with 3-cell battery and bulb, 4/- net.

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No. 41.—**THE "KIT" TORCH.** Similar to above but shorter, to take a 2-cell battery; most portable and convenient; quite reliable for export. Size $7 \times 1\frac{1}{2}$ ins., complete, 5/6 each net. Best quality Refills, $4\frac{1}{2} \times 1\frac{1}{2}$ ins., 1/3 each net.
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Our large illustrated 64-page Catalogue free on application.

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10 & 11 MINCING LANE, LONDON, E.C.

SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.**RUBBER STAMPS**B. D. RICHFORD,
8 & 9 Snow Hill,
LONDON, E.C.CHEMISTS' STAMPS,
SEALS AND STENCILS
A SPECIALITY.

Full Illustrated Lists Free.

Special Terms to Chemists.

PRECIPITATED CHALK.

Lightest and Whitest, also Purest Dense.

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RUBBER & VULCANITEGoods of every description, Waterproof Sheetting,
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Sprays, Air Cushions, Rubber Gloves, etc.**KEMP'S VULCANIZING CO., LTD.**

48-52 Hardman Street, Manchester. Also at Sheffield.

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—LONDON AND NEW YORK—

MAKERS OF

"K-Y" LUBRICATING JELLY

IN COLLAPSIBLE TUBES AND OF

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DISINFECTANTS

OF ALL KINDS

Cheapest Makers of Co-efficient Acids and Fluids.

HENRY ELLISON, LTD., CLECKHEATON, YORKS**MIRRORS. MANICURES.
HAIR BRUSHES.**

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THE GALEN MANUFG. CO., LTD.
Wilson Street, New Cross, London, S.E.**BUNCHER & HASELER,
LTD.****ALUMINIUM BOXES**Branston St.,
BIRMINGHAM, ENGLAND.**CACHETS "FINOT"**

(White or Coloured).

With Inscriptions in any desired
tint; also Plain or Embossed."Beautifully made, and the inscriptions give them
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"Perfection of Cachets."—Lancet.

These Cachets are especially adapted for Headache, Neuralgia and other powders.
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In 17 Sizes, to fit the various types of Cachet Machines.**TOBACCOS ! CIGARS ! CIGARETTES !**Every known Brand at Manufacturer's own List
Prices. Endless variety of Tobacconists' Fancy
Goods & Shop Fittings. The Trade only supplied
Opening orders a Speciality. Send for Price List.**SINGLETON & COLE, LTD.,** Cannon Street, BIRMINGHAM
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AND IMPRESSION COMPOSITION.**

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Makers: **ERNEST GRAY & CO., Ltd.,** East Molesey,
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FOR FOOD STUFFS, ETC.
Lowest Prices for Egg Yellow, etc.
J. & T. HOYLE & CO.,
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RADIUM HAIR TONIC****RADIUM SALT CO. LTD.,**
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RUBBER &
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Goods**

of every description.

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265 DEANSATE,
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(Dr. BALMAIN'S)

AS SUPPLIED TO H. M. GOVERNMENT.

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GOOD SELLING LINES FOR CHEMISTS.**W. C. HORNE,** Luminous Paint and
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FOR COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses!

TRIAL BOTTLES 6d. size, supplied on pretty showcards.
4/6 doz.; 1/- size, 10/- doz.; 3/6 size 30/- doz.

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SHAVING STICKS

6d. "THE FLAG," Cartoned, 3/- doz. 33/- gross.
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1/- ALUMINIUM HOLDER, 7/6 doz. and bonus 2.
Sample of each for stamps 1/3.

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WHITE and GREY.

Special offers at very low prices for quick clearance.
SAMPLES AND PARTICULARS ON APPLICATION.

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19, 21, 25 to 35 MORTIMER STREET, W.

Up-to-date Chemists

Should see that their names are on the monthly mailing list for Christy's Monthly. In this leaflet many valuable suggestions together with intimation of new lines will be found. Let us send you this month's issue, post free.

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BRITISH MADE

SAFETY RAZORS

Blades and Cases. 36 Varieties.

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The "SAFEGUARD" Pessaries (of which we are sole proprietors) are compounded according to a formula which experience has shown to be absolutely the best for the purpose. Nothing but the purest drugs being used in them, they never fail, and can be recommended to customers with the utmost confidence.

PRICES.								£	s.	d.
1 Dozen in Box, with directions	...	...	...	...	...	...	...	0	12	0
1 " " in 3 Dozen lots	...	...	...	...	...	...	...	0	11	6

Special Quotations to Shippers and Wholesale Dealers.

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber and Vulcanite Goods

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91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

By Royal Warrant of Appointment
to H.M. The King.By Royal Warrant of Appointment
to H.M. The King.Only
ONE
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DAY & SONS, ESTABLISHED 1840.
CREWE, LTD. (CREWE)
HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only
ONE
Address.**LARGEST SALE IN THE WORLD.****DAYS' BLACK DRINK**

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

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Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

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For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

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For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

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(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

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A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

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Price £1 4s., £2 4s., £5, and £10 10s. ; Carriage Paid.

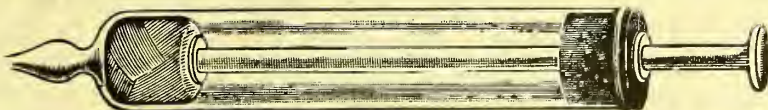
Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialties.

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DAY & SONS, CREWE, LTD.,
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LIBERAL TERMS FOR FOREIGN BUYERS.



LARGE STOCKS OF MALE SYRINGES,
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STOCKS OF NASAL DOUCHES.
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Vials	Test Tubes
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MOST SIZES IN STOCK
ALL SIZES for QUICK DELIVERY

Write us your requirements—We can execute
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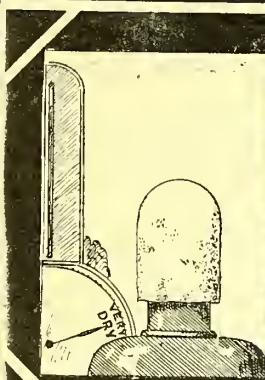
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Put on wet to-night
IT'S GOING TO
BE DRY

in the morning,
SELF-FIXED, AIR-
TIGHT and SPIRIT-
PROOF, if it's a

SEMREH

BOTTLE CAP.

May we send you details?

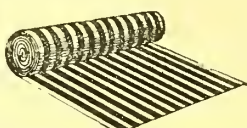
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BROMLEY, KENT.

Make your windows more attractive

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City Showrooms: 25 Wood Street, Cheapside, E.C.

TITTERTON'S CELEBRATED HAIR BRUSHES

**GOOD
PROFITS**
are made by selling
**TITTERTON'S
CELEBRATED
BRUSHES**

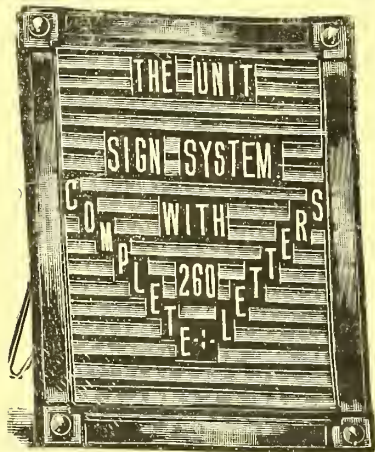
(Hair, Tooth, Nail & Shaving
Brushes).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

Illustrated Catalogue on application.

TITTERTON & HOWARD,

Brush Manufacturers,
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With
260
letters

THIS interchangeable sign is complete, and you can quickly and frequently change your window message so that public interest in your display is kept "alive." Try our new sign and give the public a crisp talk daily, and watch the crowd gather round the window to read "the latest." A few of Haskins' Oak Pedestals and Glass Shelves will enable you to produce a striking display.

Write to-day for our latest leaflet, sent post free. The sign complete costs only **30/-**

Saml. HASKINS & Bros., Ltd.

SHOPFITTERS :: ESTAB. 1784.
20-34 OLD STREET, LONDON, E.C.

"CORPS" OF RAT EXPERTS DEFIED

A Biological Expert writes:— 21/9/16.

"Personally I would gladly undertake to clear and to keep permanently clear any place infested with rats, and did once actually pledge myself and staff to clear an important Government Building in one of our largest cities, under a rather heavy cash penalty.

**"RODINE"
DID THE WORK**

however, and ended a plague which had defied entire 'corps' of rat experts in the kingdom."

Sole Maker:—

HARLEY, Manufacturing PERTH.
Chemist,

EXPORT AGENTS:

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84 Fenchurch Street, London, E.C.



THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 4, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 2617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.'

Everybody in the drug-trade knows that only bona-fide paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, N.W.—Thoroughly sound and reliable Family and Dispensing Business, with excellent demand for own Proprietaries, Wholesale and Retail; returns upwards of £3,000 per annum; well appointed shop, with good residence; terms, valuation of stock and fixtures, less a rebate of 25 per cent.

2.—MAYFAIR.—Select Dispensing and Retail; vendor giving up business; returns about £1,200; gross profit between £650 and £700 (proof given); valuation terms entertained.

3.—LONDON, W.C.—Old-established Business, situate in close proximity to several large hotels; returns £2,000, present rate less; net profit 25 per cent.; price £950.

4.—LONDON, N.W.—Established Business, Retail and Dispensing; returns £1,500; net profit between £400 and £450; practically no opposition; valuation terms.

5.—LONDON, W.—Established Business, capable of considerable extension; situate in the best position; the shop offers a splendid nucleus; the returns at present are about £12 weekly; terms, valuation of stock and fixtures.

6.—BLACKHEATH.—Large and handsomely fitted Pharmacy; roomy house, with private entrance; returns under Assistant between £800 and £900; to effect an immediate transfer vendor will accept valuation of stock and fixtures, less 50 per cent. rebate.

7.—LONDON, S.E.—Middle-class Retail and Dispensing Business; no N.H.I.; returns £900; net profit £247; comfortable residence; moderate rental; price £275 on entry and balance, £175, by instalments; full investigation courted.

8.—BOURNEMOUTH.—Old-established Business, essentially Dispensing and Family Retail; position unique; returns £2,500; under modern management an opening presents to considerably augment the turnover; terms, valuation of stock and fixtures, less a substantial rebate; vendor retiring.

9.—SOUTH COAST.—Old-established Retail and Dispensing Business, with Optical connection; returns between £1,400 and £1,500, present rate less; well-fitted shop, commanding position, facing the railway station; death reason for disposal.

10.—SURREY.—Good-class Family and Dispensing Business, with Optical connection, in select residential district; returning about £2,500 per annum; very profitable terms, one year's net profit, plus valuation of stock and fixtures, or lump sum of £1,200.

11.—ESSEX COAST.—Retail and Dispensing, with some Optical; returns over £1,000, at fair prices; price £600 or £100 and valuation of stock and fixtures.

12.—Situate in centre of market town, Hants.—Mixed Country Retail Business; giving a net profit of over £500; large shop, with comfortable residence; rent £55; price £450.

13.—HOME COUNTY.—Good-class Retail and Dispensing Business, well situate in close proximity to railway station; returns about £1,100, at good prices; well appointed shop and premises; long lease; about £700 required.

14.—BRISTOL CHANNEL.—Attractive and good position; established Business, Retail and Dispensing; returns nearly £1,400, increasing; very good residence; satisfactory reason for disposal.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

PARSON C. BAKER

**Pharmaceutical Chemist,
TRADE VALUER AND TRANSFER AGENT.**

Recommended by British Drug Houses, Ltd.; Messgeson & Co.; Barclay & Son.
Tel. No.: FINCHLEY 812.

Valuer to the Association of Manufacturing Chemists, Ltd.
**VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND
FULL REPORTS, Town or Country, on moderate terms.**

No charge whatever to vendors or purchasers except by agreement.
Personal Attention. 40 years' Valuation Experience.

Immediate Sale.—Old-established good dispensing business.
Fashionable residential district. West end. Advantageous terms.
New Lease.

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THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."**

BATTAM & HEYWOOD

(ESTD. 1837.)

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS.
Balance Sheets Prepared. Books Audited.
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Telephone: GERRARD 2169.**

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

**35 Jewry Street, Fenchurch Street, City.
Telephone: 1809 CENTRAL.**

NO CHARGE TO PURCHASERS.

- 1.—SUSSEX COAST.—First-class Retail and Dispensing Business, with scope for large increase; commanding position; low rent; elegant fittings and good stock; owner retiring through old age; valuation only required, about £700 to £800; fine opportunity for smart Pharmacist; personally inspected and recommended.
- 2.—MIDDLESEX.—Good-class Chemist's and Optician's Business for Sale through death; returns over £1,850; good profits; attractive Pharmacy, in fine position and well stocked; good house; price about £1,000, or would sell separately; personally recommended.
- 3.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £500; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.
- 4.—SOMERSET.—Well-established Light Retail Business, in good market town; owner retiring through ill-health; returns £500; plenty of scope; net profit £200; price simply valuation, about £300.
- 5.—SOUTH COAST.—Exceptional bargain; £150 or first near offer secures a sound Light Retail Business; returning about £550 under indifferent management; good profits; scope for increase; no near opposition; low rent; compact house and shop.
- 6.—LONDON, W.—Profitable Cash Retail; returns £12 to £14 weekly, plus N.H.I.; net profit about a third; no immediate opposition; owner joining up; will accept about £150 for quick sale.
- 7.—LONDON, N.—Good middle-class suburban Retail; pleasantly situated; same hands 16 years; returns £850; attractive shop; good stock; price £300 or valuation; personally inspected and recommended.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

DEVONSHIRE (a Few Miles from the Coast on Main Line).—Progressive Business for Disposal on medical advice; up-to-date fittings; central position; easily worked; short hours; growing market town and centre; present rate £1,000; good opportunity to acquire a genuine business; no agents. "Devonshire" 248/31, Office of this Paper.

SCOTLAND.—Nearest a Naval Base, Dispensing and Prescribing Cash Business; turnover £15 to £20 weekly; good prices obtained; rent under £20; look-up shop; worked entirely by vendor; exceptional return for moderate capital; reason for disposal; offers invited for goodwill; stock and fittings valuation. 249/22, Office of this Paper.

WARWICKSHIRE.—Country Mixed Light Retail, at present returning about £800 per annum; scope for improvement; owner unqualified; excellent prospects for N.H. Insurance; must sell at once owing to military service; good house and garden. Apply, "Military," c/o Southall Bros. & Barclay, Ltd., Birmingham.

DEATH Vacancy.—Established over 30 years; good-class Retail; opposite Tube Station; tram stop at the shop; position unique; genuine profitable business; quick sale. The Medical Hall (Davies), 9 Stockwell Road, Clapham Road, S.W.

DRUG Store (Midlands, Colliery and Agricultural District).—Anyone contemplating buying a Business should not miss this splendid opportunity; only reason owner called for military service; no opposition for miles; two Doctors' surgeries within 200 yards; splendid opening for N.H.I.; plenty of scope; immediate possession; stock, fixtures, and fittings about £100; nearest offer secures. Full particulars, J. Smith, Drug Store, Sheffield, near Walsall.

DRUG Stores; flourishing good paying Business; splendid position, Southend; turnover £650 to £700, still increasing; profits 50 per cent.; Qualified or man with a little capital could easily double; price of stock and fittings only asked (£135); bargain, must be sold this week; owner called up. Gower's Drug Stores, Southchurch Road, Southend, Essex.

GENUINE, unopposed Country Retail; 70 miles North of London; returns exceed £800 for many years; net profit £200; good shop, nicely fitted and stocked; exceptionally good house, private entrance; bathroom, gardens; rent £25; accept £325 for immediate disposal. Apply, 248/18, Office of this Paper.

GOOD Cash Retail Business, small industrial town in Monmouthshire; very little N.H.I.; no Sunday or holiday attendance; in present hands 20 years; owner retiring; returns £1,800; price £450, or offer. Full details on request, "Canuck" (247/16), Office of this Paper.

IN the principal thoroughfare of a large Northern seaport city, an old-established Chemists' Business, also an excellent suburban branch, with good residence attached; at valuation of stock and fixtures; great scope for a pushing man. "Alpha" (247/3), Office of this Paper.

UP-TO-DATE West-End Pharmacy for Sale through death of owner. Particulars and price from Exors. (249/21), Office of this Paper.

£1,300 RETURNS Increasing.—Illness sole cause of sale, general Light Retail, with Wines and Spirits, in Midland town; profits good; large double-fronted shop, well fitted, good stock rooms adjoining; very convenient 10-roomed house; to sell quickly by Doctor's orders; will accept valuation of stock and fixtures, about £600; details proved by Books; investigation courted. Orders to view, Brett & Co., Chemists' Valuers, 73 Laurel Road, Leicester.

£85 SECURES fixtures, fittings, and small stock of old-established Retail, just closed; plenty of scope; good opening for Dentistry; prosperous country town, population 5,000; one other Chemist; large handsomely-fitted shop, house and garden attached; rent £35; splendid opportunity for man with small capital. Apply, "Cambs" (248/180), Office of this Paper.

FOR SALE.

LATEST Type National Register; suitable for any trade; Total adder and prints receipts; a few months old. Write, F. Harding, 31 Fishers Lane, High Road, Chiswick.

STRONG, ONCE-USED WOODEN PACKING CASES

for Sale in large quantities, near London, 15½ in. by 11½ in. by 11 in. Send best offers to 112/4, Office of this Paper.

TABLET Machine, Allen and Haubury's No. 2. Rotary; in good working order; complete with 2- and 5-grain Dies; cost £75 recently; will accept £45. Timothy White Co., Ltd., Portsmouth.

WHAT Offers? 12 oz. Phenacetin, 4 oz. Recorcin, 1 lb. Phenazone, 4,000 Aspirin Tablets, grs. 5, 1 lb. Pulv. Acetyl Salicylic Acid, 4 lb. Bism. Carb., 2 oz. Morph. Hcl., 1 lb. Quin. Sulph., 7 lb. Sod. Sal., 7 lb. Sod. Brom., 7 lb. K.Br., 4 lb. Am. Brom. Apply, 252/13, Office of this Paper.

52 RED Spirit Dairy Thermometers, in 8 in. Wood Frame, @ 18s. dozen; 31 Forbes Mercury Thermometers, 9 in. Wood Frames, @ 18s.; 158 x 12 in. Bath ditto, @ 20s.; 37 x 15 in., @ 24s.; 53 x 18 in., at 34s.; 18 Dairy, in cardboard cases, @ 14s.; carriage paid on 6 dozen; 5 per cent. cash with order. Rupert Brooke, Beaconsfield.

2 LB. 550 Corporation Saccharin, unsealed; £13 10s., carriage paid. Ward, Drug Stores, Middleton Junction.

1 LB. Lithii Citras., 2 oz. Diuretin Knoll., 4 oz. Exalgin, 1 oz. 2 Butyl Chloral Hydras., 4 grammes Dionine Merck., ½ lb. Iodoform, 2 oz. Morphine Hydrochloras., ½ oz. Atropinae Sulphas; what offers? Doo, Chemist, Netherton, Dudley.

WANTED.

PLANT wanted to Manufacture Dried Salts, with Grinding and Sifting Machine, or would contract with firm to Manufacture on a large scale. Write 1057, Sells' Advertising Office, Fleet Street, E.C.

PARTNERSHIPS.

DANISH Chemist and Druggist, practical and able, who throughout several years has been occupied in the cultivation of Medical Plants, wants to co-operate with English firm for the purpose of transferring and extending this culture in England; advertiser is without capital, but in possession of seeds and young plants of all the most important medical plants. Please write to Oscar P. Theilade, Haslev, Denmark.

ENERGETIC, capable young Chemist, exempt, excellent credentials, but capital not available until end of war, seeks partnership with view to early succession or purchase on easy terms, of a sound business in South of England doing £2,000 or over; 16 years' London, provincial city, Seaside, and Continental experience; languages. Write, 247/2, Office of this Paper.

£250—A middle-aged, thoroughly experienced, unqualified Chemist, would like to correspond with Retail Chemist, view active partnership. 244/32, Office of this Paper.

SALES BY AUCTION.

BY ORDER OF THE TRUSTEE, under DEED OF ASSIGNMENT.—Re E. C. H. SMITH, 47 Anerley Road, Crystal Palace.

FRANCIS FRENCH & CO. WILL SELL by AUCTION, on TUESDAY, November 14th, the Stock-in-Trade of a Chemist, including large quantity of Scents, Soaps, Brushes, Sponges, Patent Medicines, etc., also the handsome Mahogany Fixtures. Catalogues, when ready, of the Auctioneers and Trade Experts, 10 & 12 Eastcheap, E.C.

TENDERS.

TENDERS are invited for the supply of Drugs, Dressings, Sundries, etc., for one year, to the Egyptian Government, for delivery f.o.b. Home port, February 1917.

Specifications and particulars can be obtained from Sir Arthur Webb, K.C.M.G., Queen Anne's Chambers, Broadway, Westminster, S.W.

To enable all branches of the trade to tender, the list of requirements has been divided into six categories, namely:—

- (1) Proprietary Articles.
- (2) Dressings.
- (3) Sundries.
- (4) Crude Drugs and Heavy Chemicals.
- (5) Fine Chemical Products.
- (6) Galenicals, B.P. and other.

Tenders to reach Cairo not later than 25th November.

AGENCIES.

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AGENTS calling on Chemists, Druggists, Drysalts, Oil and Colour Merchants: good commission. Write to Delmas & Co., County Buildings, Corporation Street, Birmingham.

ESTABLISHED Australian House trading with Australasia and the Far East is open to accept the Sole Agency and Representation of first-class Manufacturers of Fancy Soaps, Toilet Novelties, Essential Oils, Perfumery, etc.; would be prepared to consider applications from young progressive firm. Apply, 215/37, Office of this Paper.

FRENCH and English Chemists, doing a good Wholesale and Retail business in Chile, S.A., are open to take up exclusive Agencies; keep your trade out of German hands; references, Evans Sons Lescher & Webb, Ltd. Address, Mahuzier Sucesores, P.O. Box 265, Concepcion, Chile, S.A.

FINANCIAL.

LONDON.—Advertiser having a large amount of capital at command would be pleased to take an interest in some well-established Wholesale Druggists' business; could undoubtedly influence a large amount of trade; strictly confidential. "Chemists" (247/100), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RETAIL.

BARNSTAPLE. Wanted, Assistant for Family trade, with N.H.I. and Veterinary; short hours; must be quick and obliging; no Sunday duty; ineligible for Army. State full particulars and salary required to E. Dyson, Chemist, Barnstaple, N. Devon.

BELVEDERE.—Two Assistants, one qualified; half-day weekly; no night or Sunday duty; close eight. Particulars to Knowles & Co., Belvedere, Kent.

BOLTON.—Qualified; good Window-dresser and Counterman; Light Retail, N.H.I.; reasonable hours; live out. State salary required, photo and references, Charles Crane, Ltd., Chemists, 235 & 237 St. Helen's Road, Bolton.

BURSLER.—Assistant, either sex (if male, ineligible for military service), for Country Wholesale and Retail; outdoors; single; short hours; must be a good Salesman. State age, height, and experience, with references and salary required, Thos. Leicester, Chemist, Burslem.

FINCHLEY, N.—Lady Assistant for Dispensing and to assist at Counter; hours 9.30 to 7.30, Thursdays 1 o'clock. Please state age, experience, salary required (outdoors), and enclose photo, to 248/33, Office of this Paper.

GLOUCESTER.—Assistant, male or female, for Dispensing and Light Retail; outdoors; hours: 8.30 a.m. to 7 p.m. Mondays, Tuesdays, and Wednesdays, 1 p.m. Thursdays, 8 p.m. Fridays, 9 p.m. Saturdays. Full particulars as to age, experience, salary, etc., to Hampton, 86 Northgate Street, Gloucester.

HAMPSTEAD HEATH (Near).—Wanted, Junior Assistant for Dispensing business, with some Pharmacy experience, lady or gentleman; time for study given if required. Kindly apply by letter to Herbert Williams, Dispensing Chemist, 31 Heath Street, Hampstead, N.W.

LICHFIELD.—Assistant for Dispensing and to help at Counter; lady preferred. State wages required (outdoors), and references, C. H. Averill, Chemist, Lichfield.

LONDON, N.W.—Wanted, a qualified, ineligible Assistant, accustomed to high-class Retail and Dispensing business; capable of taking Management, with ultimate view to a share in the business, or purchase; also a vacancy for an Assistant; ineligible or lady. Apply, 121/17, Office of this Paper.

LONDON, N.W.—Qualified Assistant, ineligible; outdoors; easy hours. Full particulars and when disengaged, 252/6, Office of this Paper.

LONDON, S.W.—Wanted at once, an Assistant of good Dispensing experience. Apply to Plaister & Co., 13 Gledhow Terrace, South Kensington, S.W.

LONDON, S.W.—Ineligible Assistant (outdoors) wanted, for good-class Cash business; lady or gentleman; no Sunday or holiday duty. Apply, with full particulars as to experience, salary required, etc., to H. S. Durbin, Pharmaceutical Chemist, Surbiton.

LONDON, S.W.—Smart Assistant, qualified or unqualified, for high-class trade; must be a good Salesman and Window-dresser; permanent position to the right man; progressive wages; ineligible. If applying by letter give fullest particulars, age, experience, salary required, etc., to C. R. Toynce, 26 High Street, Putney, S.W.

LONDON, W.—Wanted, an Assistant, with good Dispensing experience; whole or part-time. Apply to W. F. Pasmore, 320 Regent Street (opposite the Polytechnic).

LONDON, W.—Wanted, a gentlemanly Assistant; accustomed to a high-class Dispensing business; outdoors; three kept; hours 8.30 to 7; weekly half-holiday. Full particulars to Mr. Lewis, Chemist, Ealing.

LONDON, W.—Assistant; unqualified; ineligible; outdoors; active and good Counterman; hours nine to eight; also young lady to keep Books and assist in shop; good-class trade. State salary, experience, etc., 252/8, Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, photo, and salary required, 246/40, Office of this Paper.

NORTH OF ENGLAND.—Unqualified Assistant wanted immediately; ineligible for Army. State age, references, and salary, 248/40, Office of this Paper.

NOTTINGHAM.—Wanted at once, reliable Junior Assistant, unqualified or Improver; outdoors; ineligible. Please state salary required and full particulars, age, references, etc., S. Cook, M.P.S., 76 Radford Road, Nottingham.

PLUMSTEAD, S.E.—Unqualified Assistant (outdoors) for Dispensing and Photographic business; state terms. Apply to A. Goldthorpe, M.P.S., 70 Herbert Road, Plumstead, S.E.

ROYAL GWENT HOSPITAL, Newport, Mon.—Applications are invited for the post of Assistant Dispenser from qualified men discharged from the Army; the appointment will be for the period of the war. Apply, with particulars, to the Secretary-Superintendent.

SHREWSBURY. Assistant; outdoors; easy hours; no Sunday duty; please state age and full particulars of experience, also salary required, in first letter. Apply, A. Williams, Chemist, Castle Street, Shrewsbury.

SOUTHBOROUGH.—Wanted, December 1, qualified Assistant, ineligible; indoors or outdoors; good Dispensing experience essential. Send usual particulars and salary required, Green, Chemist, Southborough, Kent.

SOUTH OF ENGLAND.—Assistant required for high-class Dispensing, Retail, and Photographic business; no N.I. Dispensing; comfortable home and good terms. Kindly state full particulars and salary required (indoors) to "South," c/o British Drug Houses, Ltd., 22 Graham Street, City Road, N.

SOUTH OF ENGLAND.—Assistant required; free removal; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

WAKEFIELD.—Wanted, qualified Chemist as Manager; ineligible for the Army. Written applications, with recent references, to Saville, Chemist, Wakefield.

WALSALL.—Qualified Assistant required, principal duties N.H.I. Dispensing; outdoors. Apply, giving age and two recent references, salary required, and when at liberty, Shelley's Drug Stores, Ltd., Walsall.

WINCHESTER.—Wanted, lady Assistant, Junior (or ineligible male); outdoors; moderate hours; no Sunday or holiday duty; some Dispensing experience essential. State salary required, usual particulars, and enclose photo if possible, Eldred & Inge, Winchester.

WOKING.—Wanted, a qualified lady Pharmacist, chiefly for Dispensing, in high-class Pharmacy; no N.I. Dispensing. Apply, stating salary, etc., to A. Lloyd Davies, Chemist, Woking.

WOOLWICH.—Good position awaiting a responsible, reliable man to take charge of Dental Department; must be a good Extractor and able to Fill, Stop, take Impressions, and do Dental Repairs and Minor Mechanical work; generous treatment if willing and capable; old-established business; good income assured to suitable man. Address John F. Jefferson, 6 Russell Place, Green's End, Woolwich.

YORK.—Managing Assistant required for highest-class Pharmacy; one who is willing to also Manage first-class Ladies' and Gentlemen's Hairdressing Saloons, and occupy position of trust. Write fully, E. B. Kendall & Son, 6 Coney Street, York.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.


RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK. OCT. 28/1916

NATURE OF ADVT.	REPLIES
REPRESENTATIVE	27
LADY DISPENSER	19
ASSISTT WHOLESALE	18
TRAVELLER	13
ASSISTT	12



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

A JUNIOR Assistant; ineligible; must be competent and careful Dispenser, and have good reference; outdoor or indoor as preferred; willing to help in Stock work; hours 8.30 to 7.30; no Sunday duty. Apply to W. Hooper & Co., Leys Avenue, Letchworth Garden City, Herts.

AN Assistant required for Dispensing and Light Retail in healthy London suburb; suitable for an ineligible; time off if required. Please state usual particulars, "Betu" (248/23), Office of this Paper.

ASSISTANT at once for high-class Pharmacy; good experience and address necessary; qualification not essential. Apply, "Manager," 7 Belgrave Mansions, S.W.

CAPABLE Dispenser; disqualified for Army; outdoors; easy hours. Apply to Mather, Pharmacist, Godalming.

IMEDIATELY, a competent Assistant in first-class Retail and Dispensing business. Apply, "A. W.," c/o Alsop & Quiller, 137 Sloane Street, S.W.

JUNIOR Assistant wanted immediately, ineligible, accurate Dispenser, to assist at Counter; good references necessary. Apply, F. Rossiter, Grand Parade Pharmacy, St. Leonards-on-Sea.

JUNIOR Assistant, ineligible, or young lady; middle-class Mixed Retail Counter trade and N.H.I. Dispensing. Please state age, experience, references, and salary required (outdoors), Heath, Chemist, Hucknall, Nottingham.

LADY Assistant required in good-class Retail and Dispensing business; comfortable berth, with moderate hours of duty; country town near Bournemouth. Send full particulars as to age, experience, salary required, and photo, to Kirkman, Chemist, New Milton, Hants.

LOCUM from November 11th to 20th, inclusive General Retail and N.H.I. Dispensing. State terms, references, etc., Morris, Market Street, Llanelli.

MANAGER wanted; qualified, 65s., otherwise, 50s.; duration of war or permanency; South Wales; Light Retail and N.H.I. "Rhei" (248/16), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth. require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

MR. J. WEARING, The Central Pharmacy, Woking, requires a lady or gentleman Assistant; one with knowledge of Optics preferred; outdoors; every consideration given to desirable applicant. Send full particulars as to experience and salary required.

QUALIFIED Manager for Branch in good working-class district; hours 8.30 a.m. to 8 p.m., usual Wednesday half-holiday; a permanent and comfortable berth to suitable man. Apply, Barton, Redcroft, Horn Lane, Acton, W. Telephone 966 Chiswick.

QUALIFIED Manager, ineligible, for high-class Retail and Dispensing, with Photography; must have good references, a thorough knowledge of all Photographic Apparatus, Materials, and Processes; capable of controlling a large staff; to a gentleman of business ability, energy, tact and resource, liberal terms and commission. "Metol" (249/8), Office of this Paper.

SMART, unqualified Assistant to take charge of Drug Stores, S.W. district; must be able to Extract Teeth. Apply, 248/25, Office of this Paper.

THE Swansea and West Glamorgan Chemists' Association require several Locums to go on their list for use of members. Apply, J. S. Gilbert, 19 Nelson Street, Swansea.

UNQUALIFIED outdoor Assistant, good and reliable man, ineligible, wanted for Cash business, London, now or very shortly; reasonable hours and comfortable berth; salary 50s. to £3 per week, according to experience; replies treated in strict confidence, and those not answered in three days respectfully declined. Apply, "Rhei," (251/32), Office of this Paper.

WANTED, unqualified lady Assistant for quick Counter trade. Apply, Wm. Fox & Sons, Ltd., 109/113 Bethnal Green Road, N.E.

WANTED, unqualified Assistant for quick Counter trade; ineligible for the Army. Apply, Wm. Fox & Sons, Ltd., 109/113 Bethnal Green Road, N.E.

WANTED by November 15 or earlier, a competent Assistant, for a high-class Dispensing and Retail business; capable Dispenser essential; ineligible for Army; salary 65s. qualified, 55s. unqualified, per week; outdoors; permanency for suitable man; youth also kept. References, etc., to W. Parry-Jones, Chemist, Barnet.

WHOLESALE.

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EAST LANCASHIRE.—Drug Traveller; state age, experience, and connection. Apply, 118/60, Office of this Paper.

LONDON HOUSE requires ASSISTANTS in Dispatch Departments, Wet Room and Dry Room; good wages. Apply, giving full particulars, 120/100, Office of this Paper.

WOLVERHAMPTON.—Forewoman wanted for Packed Goods Room; accustomed to Packing of Proprietary Goods and to management of girls; hours 8.30 to 6, Saturdays 8 to 1. Apply, with full particulars as to situations held, age, references, and wages required, Reade Brothers, Wolverhampton.

ASSISTANT FOREMAN required for Counter Specialities and Packed Goods Department in large London house; ineligible; good wages. Apply, giving full particulars, 120/10, Office of this Paper.

CLERK, accustomed to Checking or Calling over and general Office routine, wanted for an Edinburgh House. Apply, giving particulars of age, experience, references, and wages required, 247/29, Office of this Paper.

DRUGGISTS' Sundries.—Assistant required, with some experience of Sundries and Instruments, as third hand in London Wholesale Drug House. Apply, by letter, to "Compacta" (248/5), Office of this Paper.

FIRST-CLASS Representatives wanted by up-to-date Toilet Goods Manufacturers on commission basis; state definitely any lines now carried and all essential particulars. Apply, 119/68, Office of this Paper.

GRANULAR Preparations.—Wanted, an experienced man to make Citrate of Magnesia and other granular preparations; must be thoroughly competent and ineligible for the Army. Reply, by letter, stating age, wages required, and previous experience, to "Citrate" (120/60), Office of this Paper.

INTELLIGENT man wanted, used to Vauvion Stills. C. Tolkien & Co., Blackburn.

LADY Assistants.—There are vacancies at present in a large Wholesale Manufacturing Chemists for one or two ladies holding the Apothecaries' Hall Assistants' qualification; students reading for the Hall certificate or the Minor will be considered. Apply, with full particulars, to "Nottingham" Box No. 179, Smith's Advertising Agency, Ltd., 100 Fleet Street, E.C.

LADY Chemist, qualified, for Laboratory, Perfumery and Toilet Preparations; responsible and accurate worker would be given good salary and secure permanent position. Apply in first instance by letter, to "Anglo Parisian" (117/54), Office of this Paper.

LADY Shorthand Typist in London Export Merchants' Office; hours 9.30 to 6, Saturdays 1; knowledge of Drug trade preferred; commencing salary 25s. Address particulars to Box D 336, c/o Dawson's, 121 Cannon Street, E.C.

LIVE Travellers wanted for good Side Line, and with large connection amongst Chemists, for London, Midlands, and the North; liberal commission to the right men. Apply, by letter, to 248/35, Office of this Paper.

RELIABLE man; ineligible; good knowledge of Mining Lane Drugs; capable Buyer, and able to take full charge of Drug Department of a Chemical business. Write, full particulars, to 119/69, Office of this Paper.

REPRESENTATIVE for first-class Wholesale Drug House, to take duty for one called to the Colours; must be quite ineligible. Apply, giving previous experience, salary required, etc., 120/41, Office of this Paper.

REQUIRED, Representatives, on commission only, for calling on Drapers, Chemists, Toy Warehouses, etc.; must have good references. Letters to Box 65, Taylor's Advertisement Offices, 30 Fleet Street, E.C.

REQUIRED for Chemical Department of Wholesale London House, unqualified Assistant; ineligible; good opportunity. Write, stating experience and salary required, 244/28, Office of this Paper.

REQUIRED by young pushing firm, general Clerk, male or female, with previous experience in the Drug trade; salary and commission; good prospects. Apply, in confidence, with full particulars, to "Wilson 44" (116/44), Office of this Paper.

TRAVELLER to call on Chemists, Hairdressers, and Stores in town and country, with easy-selling Proprietary Article, in daily use; good salary and commission; must have live connection. Apply to Box 515, c/o Pratts' Agency, 9 Essex Street, Strand, W.C.

WANTED, Storekeeper, one used to looking after Chemist's Apparatus, for large Chemical Works, North of England. Apply, 114/17, Office of this Paper.

WHOLESALE.—Well-known firm have a vacancy on their Stocktaking staff for a man ineligible for military service; permanency and progressive salary to satisfactory man. "Stock" (247/1), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

STRAITS SETTLEMENTS.—Qualified Assistant; exempt from military service; young; unmarried, and capable of Managing Branch Dispensary; 4 years' agreement; passage paid out and home; salary first two years dollars 250 per month, third year dollars 275 per month, fourth year dollars 300; splendid opportunity for an energetic man; a knowledge of Optical and Photographic work desirable. Apply, W. C. H. Burgoyne Burdidge & Co., Ltd., East Ham, E.

TO Men or Lady Assistants, Qualified.—Straits Settlements; liberal salary; healthy and beautiful country; passage paid out and home; three years' agreement. Further particulars of Dakin Brothers, Ltd., 82 Middlesex Street, Bishopsgate, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

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AS Assistant Dispenser in Institution, or Retail with opportunity for devoting one day a week to Hospital work; 7 years' first-class experience; out of trade short period; reasonable hours; provinces preferred. 249/26, Office of this Paper.

AS Locum or permanency, Chemist with good experience and excellent references. 249/27, Office of this Paper.

AS Manager or Senior Assistant, unqualified (34), seeks permanency in good-class business; thoroughly experienced Counterman and Prescriber; at liberty soon. Give fullest particulars, first letter please, "Manager," 134 Whitechurch Road, Cardiff.

ASSISTANT or Locum; unqualified; 29; 7 years' West-End experience, Dispensing, Photography; disengaged; ineligible. Elliott, 66 Kempe Road, Kensal Rise, N.W.

ASSISTANT; unqualified; 30 years' London and provincial all-round experience; disengaged within the next four weeks. "Radix," 72 Tremadoc Road, Clapham, S.W.

CHEMIST, with good Dental experience, seeks re-engagement; salary and commission; exempt. Apply, "Dent" (247/39), Office of this Paper.

COMPETENT Assistant or Manager; unqualified; 47; energetic and reliable; exceptional experience of the Retail trade, Photography; married; outdoors; good references; South Coast preferred; permanency; disengaged. Knight, 106 Gloucester Road, Newbury.

DEVON.—As Manager, Assistant or Locum; 31; abstainer; 14 years' good all-round experience; quick and accurate Dispenser; good Counterman; excellent references. Please state salary offered (outdoors), Eveleigh, 17 High Street, Weston-super-Mare.

DISENGAGED December 4. Assistant; confident; experienced; Dispenser; capable sole charge; unqualified; 27. State salary, Walker, 6 Canfield Gardens, Hampstead, N.W.

DISPENSER, lady (Hall qualification), with Hospital experience, desires post at Hospital or Chemist to get good experience in view of Minor. Apply, 247/5, Office of this Paper.

DISPENSER (woman), qualified, desires re-engagement, Doctor, Institution or Chemist; no Counter work. Apply, 248/11, Office of this Paper.

DISPENSER; ineligible; Doctor's preferred; 30 years' experience; disengaged. "B.L." 99 Shrewsbury Road, Forest Gate, E.

DISPENSER (woman) requires extra work; free mornings till 12, evenings 5; London, E.C., or towards Northern suburb. Public Dispensary, Drury Lane, W.

EVENINGS, three or four weekly; qualified; exempt. Norman, 53 Lidyard Road, Highgate.

EXPERT Dispenser, good Stockkeeper, tactful Salesman. Marsden, 54 Romilly Road, Finsbury Park, N.

JUNIOR; ineligible; 2 years' Dispensing experience, Photography; disengaged November 18; S.W. London or Surrey. Apply to 246/38, Office of this Paper.

LADY Assistant requires situation; good West-End experience of Patents and Perfumery; slight knowledge of Drugs; London preferred. Apply, 245/20, Office of this Paper.

LADY Dispenser, engaged part-time Retail Chemist, desires part-time work, Dispensing, put up stock, Bookkeeping; excellent references. "Spes" (247/13), Office of this Paper.

LADY, qualified and experienced, desires afternoon Dispensing. Reply, "B. R." (243/15), Office of this Paper.

LADY Dispenser (Hall part qualified), some Hospital and Surgery experience, desires post, Doctor, Institute or Chemist, in or near London. Write, "E. C.," 2 Clifton Gardens, Maida Vale.

LADY Dispenser (Hall) desires post, London. "S.," Matlock, Nether Street, North Finchley.

LADY Dispenser (Hall qualification) desires post with Doctor or Chemist; previous experience. Miss MacGregor, 116 Stepney Green, Mile End, E.

LADY, 3 months' practical, would give part-time in return for practical experience; disengaged Wednesday, Saturdays, and evenings after 5; N.W. preferred. 249/28, Office of this Paper.

LADY requires position as Dispenser; six years' experience; unqualified; disengaged. Apply 246/39, Office of this Paper.

LADY Pharmacist, experienced in Retail and good-class Dispensing, desires post, Chester. 249/2, Office of this Paper.

LOCUM Tenens or temporary for two or three months; over 18 military age; disengaged; references. "L. T.," 1 Eton Road, Newport, Mon.

LOCUM work undertaken; elderly; qualified. Hepworth, Royland Road, Loughborough.

LOCUM or temporary; qualified; good references. 248/1, Office of this Paper.

LOCUM; middle-aged; qualified; experienced; abstainer. 251/31, Office of this Paper.

LOCUM; Senior; excellent references; London; 46; unregistered. "Citron," 7 Roslin Terrace, Acton.

LOCUM or Manager; qualified; highest references; disengaged; Birmingham. 251/40, Office of this Paper.

LOCUM or Branch Manager; qualified; experienced, London and provinces; disengaged November 4. "Vervik" (252/2), Office of this Paper.

M.P.S. (41), exempted, as Manager for duration of war; able Salesman; accustomed good Counter trade, also N.H.I. and Photographics; South preferred; please state salary. "Chemists," 51 Shaftesbury Avenue, Southampton.

MAJOR man, with good all-round experience, desires responsible position in Wholesale Manufacturing or Retail; can begin at once; best trade references. Willsher, 62 Westbourne Road, Forest Hill, S.E.

MANAGER: 27; qualified; married; exempt; good all-round experience; disengaged early December. Apply, 249/6, Office of this Paper.

MANAGER or Managing Assistant; ineligible; for period of war or permanent; thoroughly capable; highest references; London preferred; unqualified. "H." (248/36), Office of this Paper.

MANAGER; qualified, experienced, reliable; view succession. State salary or prospects, "X. Y. Z." (251/16), Office of this Paper.

MANAGER, qualified, disengaged November 15, seeks permanency; married; short-dated Locum work entertained. Whitehouse, 1 Cott Street, Horncastle, Lines.

MANAGER or Managing Assistant; abstainer; married; unqualified; 44; shortly disengaged. Kellard, 107 Seven Sisters Road, Holloway, N.

PART-TIME, evenings, N.H.I., Counter; local. "Unqualified," 35 Lucas Avenue, Upton Park.

PHARMACIST; elderly; good experience; Manager or Locum. "Chemists," Harrison & Sons, 26 Chapel Street, Salford, Manchester.

PHARMACIST, Managership; single; ineligible; many years' excellent experience; Manchester or district preferred; must be good salary for good man. Apply, 248/39, Office of this Paper.

QUALIFIED (38), ineligible, 8 years present situation, wishes position of trust; partnership considered in Edinburgh; excellent references. Salary and particulars to 247/31, Office of this Paper.

QUALIFIED; Scotsman; experienced; responsible position or manage Branch. 247/22, Office of this Paper.

QUALIFIED (48), Superintendent or otherwise; short hours; reasonable salary. 247/21, Office of this Paper.

QUALIFIED (42), life abstainer, reliable and capable, long experience, country Retail, all branches, desires Managership or responsible position in good business with scope and prospects to enterprising man; South preferred. Apply, 248/181, Office of this Paper.

QUALIFIED lady Dispenser requires post immediately, with Doctor or Institution; previous experience. Reply 107/41, Office of this Paper.

QUALIFIED; elderly; disengaged; experienced; near London preferred. "Pharmacist," 18 Penshurst Road, South Hackney.

QUALIFIED (55), active, healthy, married, first-class business experience, good Prescriber, knowledge French, well educated, desires responsible position. 249/31, Office of this Paper.

QUALIFIED (24), exempt from military service, seeks position in good-class business. Apply, 248/21, Office of this Paper.

QUALIFIED Manager or Senior; 28; exempt; 5 years' West-End Retail and Dispensing experience; disengaged; excellent reference. Apply, 248/7, Office of this Paper.

QUALIFIED, experienced, good references, requires Managership. "Pharmacist" (248/2), Office of this Paper.

QUALIFIED: 36; exempt; Manager or Senior; West-End experience; disengaged November 11. Apply, "Aspirin," c/o Cooper, Son & Co., 24 Sloane Street, S.W.

QUALIFIED (45) seeks situation; Liverpool or near preferred; good experience; disengaged. 251/14, Office of this Paper.

UNREGISTERED, elderly Chemist-Dentist seeks short hours employment; easy reach Clapham. Apply, 248/37, Office of this Paper.

YOUNG lady (Hall) seeks situation, Dispenser; 23 years' practical work for large firm Chemists; Doctor for preference. Barford, 26 Whitbread Avenue, Bedford.

WHOLESALE.

ADVERTISER, exempt, first-class connection London Chemists and Shippers, representing well-known Manufacturers, is at liberty to take up additional Agency for an established house; highest credentials and guarantee. 251/33, Office of this Paper.

ASSISTANT, with West-End Retail experience, desires responsible position in London Wholesale Drug or Sundry house. 251/22, Office of this Paper.

FRENCH-SWISS gentleman (26) desires post of Assistant in Wholesale or Retail business in London; wants to receive knowledge and acquire experience. Write "R.," 166 Highbury New Park, N.

ENERGETIC, young; exempt; sound experience; accustomed control Manufactory or Finishing staff. "Foreman" (247/40), Office of this Paper.

EX-OFFICER, age 23, 4 years' experience Retail, 1 year in Bank, desires good and progressive berth Wholesale. State salary and prospects, "Ypres" (249/24), Office of this Paper.

PHARMACEUTICAL Chemist (29), Metallist Chemistry, desires responsible post, London; Analytical and Works experience. Please address particulars and approximate salary to 251/21, Office of this Paper.

PHARMACIST (29), married, seeks position in London Wholesale House; any duties; 15 years' Retail and Wholesale experience; knowledge of French. Apply, 244/34, Office of this Paper.

QUALIFIED Chemist desires appointment as Manager, Assistant or Dispenser, or would take charge for another being called up; over military age; present employer Selling business, Smith, 9 Bexhill Road, Crofton Park, S.E.

REPRESENTATIVE.—Qualified man, rejected by Army, good appearance and address, seeks engagement with firm of good standing; no previous experience; salary and/or commission; good knowledge of Essential Oils, etc. Apply, 248/12, Office of this Paper.

TRAVELLER, age 46, qualified Chemist, requires re-engagement; many years' experience of road and connection; good selling record and first-class references; now disengaged. "Camphor" (248/29), Office of this Paper.

TRAVELLER; good connection Drugs, Patents, London, South Coast; disengaged. "Statim" (251/20), Office of this Paper.

MISCELLANEOUS.

ABOUT the Christmas Trade.—Suggest your goods as sensible for "Christmas Presents" by means of gaily coloured "Christmas Present" Tickets and Posters, and secure a rich harvest of increased business; illustrated list in colours showing over 100 most attractive designs free for asking. Dudleys, Ticket Specialists, Holloway, London.

COMPLETE SHOP-FITTINGS, suitable for Branch or beginner. —12-ft. Drugfitting, Glass Labelled Drawers, etc.; 6-ft. Wall Case; 5-ft. Bent Counter Case; 6-ft. Dispensing Screen Counter; Desk Perfume Case; 8-ft. Plate-glass Front Serving Counter; Counter Drawers; ready for use; £50, a real bargain. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

ABOUT 150 assorted Shop Jars, Blue, White, Lilac, and Pink ("Seconds"), from 1 lb. to 4 lb.; also about 50 "Seconds" Earthenware Funnels, from 1 pint to 5 pint; all in good condition (new); prices 33 per cent. off old prices. Particulars on application to Thomas Swales, Butts Court, Leeds.

AGENT WANTED

for the sale in the United Kingdom of

White Rubber Adhesive Plaster

in various forms and sizes.

Apply to 119/15, Office of this Paper

WOBBLE!

The want of decision means the cause of failure. We offer you good goods, well set up, at a rock-bottom rate. If you send us 6d. in stamps to cover postage, we will send you a range of samples free. Don't hesitate. British made by English labour. 100% Bonus given free with opening orders. Only terms: Wholesale buyers; cash with order. Only address:

NI-VERRE CHEMICAL COMPANY,
Pharmaceutical and Toilet Preparations,
5 to 7 Ormeau Avenue, BELFAST (Ireland).

CAMERAS WANTED.

Single models or dealers' stocks; high prices given. Original cost price allowed for Vest Pocket Kodaks with R.R. lenses. Also wanted urgently, Ensignettes, Watch-Pocket Carabines, etc. Prompt replies, courteous treatment. Goods returned immediately if no business, carriage paid.

WATSON'S, 84 HIGH ST., SHEFFIELD.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.

BEST QUININE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.

WHITE PHIALS.— $\frac{1}{2}$ oz., 1 oz., $1\frac{1}{2}$ oz., 2 oz. Plain or teaspoons.

BLUE LOTION BOTTLES.— $\frac{1}{2}$ oz., 1 oz., $1\frac{1}{2}$ oz., 2 oz., 3 oz., 4 oz., 6 oz., 8 oz., 12 oz.

PANEL BOTTLES.

We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

CORKS.

Good Quality. For 6 and 8 oz. bottles, 1/6 per gross in 6 gross bags. For phials 1/- per gross in 3 gross bags.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

Or 13 LINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention.

Established 100 Years.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Carlsbad salts, natural crystals (248/14)	Iodoglidine (248/14)
Chinosol, any quantity (248/15)	Iodoglidine tablets (243/3)
Eugallol (248/14)	Novocain (251/15)
Fibrolysin (248/14)	Pyramidon tablets (249/4)
	Salvarsan, original packages (247/23)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Benzo-naphthol, $\frac{1}{4}$ lb. (119/37)	Betol, 1 lb. (119/37)
Beta eucain hydrochlor., 1 dr. (119/37)	Phenacetin (Bayer), 1 lb. parcel (241/7)
Beta naphthol, $\frac{1}{4}$ lb. (119/37)	Sulphonol, 8 oz. (241/7)
Beta naphthol resublimed, 3 oz. (241/7)	Tannalbin, 1 oz. (119/37)
	Thiocol, $1\frac{1}{2}$ oz. (119/37)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.**BOOKS AND PERIODICALS.**

KELLY'S Chemists' Directory, 1916, absolutely as new; 10s. 6d. Davis, 68 Bowrons Avenue, Wembley.

DENTAL.

FOR sale, dental showpieces, celluloid and vulcanite, from 3s. 6d. R. Lamb, 125 West End Lane, London.

DRUGS AND CHEMICALS.

28 LB. plumbi acet., commercial 10d. lb. John Day, Chemist, Dewsbury.

SACCHARINE BB., 4 oz. 25s., or exchange hydrokinone. Stead, Duke Street, Brighton.

HEADACHE powder (phenacetin Bayer 5, caffeine cit. 1), one pound. Offers, Geo. McGregor, Chemist, Ellon.

2 oz. Iodam resub., 2s.; 4 oz. acid. acetosalicyl, 6s.; 2 oz. phenazone, 6s.; 2 oz. caffeine cit., 4s. Apply, 252/3, Office of this Paper.

FOR disposal.—4 x 5 pint clincher seltogenes, 40s.; 8 oz. hydrokinone, 12s.; 6 oz. x 5 grain guaiacon carb. tablets, 8s. oz. Weir, Chemist, Kemnay, N.B.

PHENACETIN tabs., gr. v., best London make, 100 7s., 1,000 65s.; phenacetin co., gr. v., 6s. 6d. 100; 1 oz. thymol, slightly wet, 2s. oz.; 1 oz. phenacetin, 7s. 6d. oz.; ol. juniper bacc., 4 oz., @ 3s. oz. All guaranteed. Guests, Chemists, Tooting, S.W.

OPTICAL AND PHOTOGRAPHIC.

CAMERA, whole plate, RR lens, 3 DD slides; strong tripod; cost £7 10s.; accept 65s., carriage paid. C. Hall, 20 Gloucester Place, Brighton.

MISCELLANEOUS.

1 GROSS 6-oz. glazed stoneware bottles, neck $1\frac{1}{2}$ in. diameter, Bristol quality; lot 15s., f.o.r.; sample post free 4d. Kemp, Druggist, Horncastle.

COPPER tea urn, 1 gall. capacity, with brass tap; quite new; worth 25s.; will exchange for good small showcase, or offers? Milnes, Lane Head, Brighouse.

WANTED.

ALYPIN (Bayer). State price and quantity, Moorhouse, Pharmacist, Barnsley.

GOOD microscope. Full particulars, J. Gilbert Jackson, Ltd., Chemists, Sheffield.

PILL machinery for hand or power. Write "Machinery" (247/37), Office of this Paper.

YOUNG'S Fractional Distillation, one copy wanted. Harvey, 5 Park Hill Road, Chingford, Essex.

A **BAKING-POWDER** machine to mix 14 lb. to 28 lb. J. Wearing, Chemist, St. Just.

SMALL folding pocket camera, any make, at once, for cash. C. Hall, 20 Gloucester Place, Brighton.

$\frac{1}{2}$ DOZ. 9s. sanatogen. State price for one or more (carriage paid). Boys, 197 St. James' Road, Croydon.

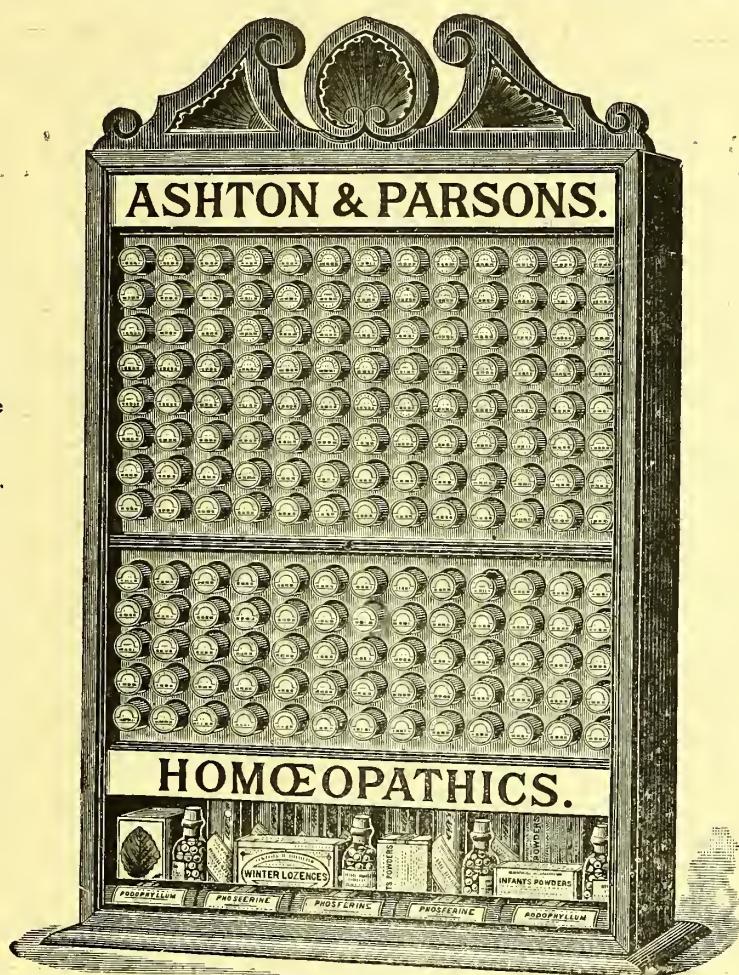
ointment mill, capable of being gas heated, or other machine intimately mixing stiff paste. Gray, Cul de Sac Road, East Molesey.

BOTTLES.—Wanted, 1,000 gross 1-dram, 1,000 gross 2-dram round vials. Please send quotation to The Kraska Co., Ltd., 7 Blenheim Street, W.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

CORKS.—2,000 gross boxwood-top corks, similar to corn-solvent corks. Apply for sample to The Kraska Co., Ltd., 7 Blenheim Street, W.

ASHTON & PARSONS' HOMŒOPATHIC SHOWCASE



18/-

18/-

THE "A. & P." SHOWCASE
PRICE - - 18/-

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No need to purchase a large quantity of unsaleable stock to obtain a
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For The Relief of ASTHMA
HAY FEVER BRONCHITIS
& Diseases of the
Respiratory Apparatus
PRICE ONE SHILLING

1/- TINS
(P.A.T.A. 1/-)

9/6 DOZ.
NET.

**POTTER'S
Asthma Cure**

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EVERYWHERE

GIVES INSTANT
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**POTTER'S
ASTHMA
SMOKING
MIXTURE.**
Composed entirely of Herbs
carefully compounded
and prepared ready for
smoking either mixed with
ordinary tobacco or by
itself. It may also be used
in Cigarette form.
PRICE 6D PER TIN

**POTTER'S
ASTHMA
CIGARETTES**
OF ASTHMA
HAY FEVER
BRONCHITIS
& DISEASES OF THE
RESPIRATORY APPARATUS

6 TINS (P.A.T.A. 6/-)
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TRAMONIUM +++
CIGARETTES.**

1/- BOXES (P.A.T.A. 1/-)
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HALF A LOAF

is better than **no** bread—but why half a loaf when you can get the whole loaf?

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If you buy **foreign board, Strawboard, Leatherboard, box-board** (folding or rigid), you will only be entitled to half your normal supplies.

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If you buy Board made in Britain, you will find you can at present get as much as you are likely to want.

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Why content yourself with half a loaf, send your money abroad, and burden shipping when you can get your requirements satisfied at home?

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Capacity—
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Supplied in Fluid and Powder Form. With guarantee of Tar Acids or Co-efficiency

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Paste and Block Form also supplied. All approved for Sheep Scab.
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is absolutely pure & prepared only from the finest selected Cocoa*



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